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**ECOSYSTEMS IMPROVED FOR  
SUSTAINABLE FISHERIES  
(ECOFISH) PROJECT**

## **ECOSYSTEMS IMPROVED FOR SUSTAINABLE FISHERIES (ECOFISH) Project**

### **THIRD YEAR WORK PLAN (01 OCTOBER 2014 – 30 SEPTEMBER 2015)**

**ECOFISH Document No.: 04/2014**

Version: Final

***Implemented with:***

Department of Agriculture-Bureau of Fisheries and Aquatic Resources  
National Government Agencies  
Local Government Units  
Assisting Organizations

***Supported by:***

United States Agency for International Development  
Contract No.: AID-492-C-12-00008

***Managed by:***

Tetra Tech ARD

31 August 2014

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Philippines

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### ***DISCLAIMER***

*The views expressed in this document do not necessarily reflect the views of the United States Agency for International Development or the United States Government.*

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## Abbreviations and Acronyms

700DALOY	-	700 Dedicated Alert Lines for Ocean Biodiversity
ADB	-	Asian Development Bank
AIM	-	Asian Institute of Management
AMPA	-	Adopt a Marine Protected Area Project
ARD	-	Associates in Rural Development
ARMM	-	Autonomous Region of Muslim Mindanao
BEMO	-	Bohol Environment Management Office
BERT	-	Batangas Environment Response Team
BFAR	-	Bureau of Fisheries and Aquatic Resources
BUB	-	Bottom-Up-Budgeting
CBA	-	Cost Benefit Analysis
CCA	-	Climate Change Adaptation
CFRM	-	Coastal and Fisheries Resources Management
CIFMP	-	Calamianes Integrated Fisheries Management Plan
CIG	-	Calamianes Island Group
CLE	-	Coastal Law Enforcement
CLEC	-	Coastal Law Enforcement Council
CMMD	-	Coastal and Marine Management Division
COMPETE	-	Advancing Philippine Competitiveness Project
COP	-	Chief of Party
COR	-	Contracting Officer's Representative
CTI	-	Coral Triangle Initiative
CRM	-	Coastal Resource Management
CSR	-	Corporate Social Responsibility
DA	-	Department of Agriculture
DAP	-	Development Academy of the Philippines
DCOP	-	Deputy Chief of Party
DENR	-	Department of Environment and Natural Resources
DILG	-	Department of Interior and Local Government
DOF	-	Department of Finance
DOJ	-	Department of Justice
DOST	-	Department of Science and Technology
DSWD	-	Department of Social Welfare and Development
DTI	-	Department of Trade and Industry
EAFM	-	Ecosystem Approach to Fisheries Management
ECOFISH	-	Ecosystems Improved for Sustainable Fisheries
ENSO	-	El Nino Southern Oscillation
EO	-	Executive Order
EwE	-	Ecopath with Ecosim
FAO	-	Fisheries Administrative Order
FARMC	-	Fisheries and Aquatic Resources Management Council
FGD	-	Focus Group Discussion
FISH	-	Fisheries Improved for Sustainable Harvest Project
FishR	-	National System on Fisherfolk Registration

GIZ	-	German Society for International Cooperation
GPH	-	Government of the Philippines
HIPADA	-	Hinatuan Pass Development Alliance
IEC	-	Information, Education and Communication
IFRM	-	Integrated Fisheries Resources Management
LGCAMC	-	Lingayen Gulf Coastal Management Commission
LGU	-	Local Government Unit
LMP	-	League of Municipalities of the Philippines
MARINA	-	Maritime Industry Development Authority
MEAT	-	Management Evaluation and Assessment Tool
MERF	-	Marine Environment Resources Foundation
MKBA	-	Marine Key Biodiversity Area
MOU	-	Memorandum of Understanding
MPA	-	Marine Protected Area
MSP	-	Marine Spatial Planning
NAMRIA	-	National Mapping and Resource Information Authority
NAPC	-	National Anti-Poverty Commission
NEDA	-	National Economic and Development Authority
NFARMC	-	National Fisheries and Aquatic Resource Management Council
NFR	-	NGOs for Fisheries Reform
NGO	-	Non-Government Organization
NOAA	-	National Oceanic and Atmospheric Administration
NSAP	-	National Stock Assessment Program
OECC	-	Office of Energy, Environment and Climate Change
OPA	-	Office of the Provincial Agriculturist
PACPI	-	Philippine Association of Crab Processors, Inc.
PAO	-	Provincial Agriculture Office
PCG	-	Philippine Coast Guard
PCRA	-	Participatory Coastal Resource Assessment
PEMO	-	Provincial Environment Management Office
PES	-	Payment for Ecosystem Services
PFO	-	Provincial Fisheries Office
PGENRO	-	Provincial Government Environment and Natural Resources Office
PhilCCAP	-	Philippine Climate Change Adaptation Program
PNPA	-	Philippine National Police Academy
PNP	-	Philippine National Police
PNP-MG	-	Philippine National Police – Maritime Group
PO	-	Peoples Organization
PPP	-	Public Private Partnership
QRT	-	Quick Response Team
RDMA	-	Regional Development Mission for Asia
REECS	-	Resources, Environment and Economics Center for Studies, Inc.
SAF	-	Special Activities Fund
SBU	-	Special Boat Unit
SCREMP	-	Sustainable Coral Reef Ecosystems Management Program
SCTR	-	State of the Coral Triangle Report

SEAFDEC	-	Southeast Asia Fisheries Development and Educational Center
SEMFISH	-	Sustainable Enterprises for Municipal Fishing Communities in S. Negros
SGIDS	-	Senior Governance and Institutional Development Specialist
SLP	-	Sustainable Livelihood Program
SMRR	-	State of the Marine Resources Report
SPR	-	Spawning Potential Ratio
TOT	-	Training of Trainers
TTCIA	-	Tagbanua Tribe of Coron Island Association
TTFBSA	-	Tawi-Tawi Fish Bay Sanctuary Alliance
TVWS	-	Television White Space
TWG	-	Technical Working Group
UNDP	-	United Nations Development Program
USAID	-	United States Agency for International Development
USDOI	-	United States Department of Interior
VIP	-	Verde Island Passage
WWF	-	World Wildlife Fund

# 1. Introduction

The technical assistance and services contract was awarded to Tetra Tech - ARD for the implementation of USAID/Philippines' Ecosystems Improved for Sustainable Fisheries (ECOFISH) Project in June 29, 2012, under contract number AID-492-C-12-00008. The main objective of the ECOFISH Project is to improve the management of important coastal and marine resources and associated ecosystems that support local economies. The ECOFISH Project is intended to foster fishing sector reforms through the application of the Ecosystem Approach to Fisheries Management (EAFM) in larger marine conservation areas and involving clusters of Local Government Units (LGUs). It will promote the growth and restore the profitability of fisheries through conservation of ecosystem health and effective management.

The ECOFISH Project is in line with the current U.S. Country Assistance Strategy with respect to assistance directed at reducing threats to biodiversity and improving natural resources and environment. The ECOFISH Project is expected to contribute to achieving "Development Objective 3: Environmental Resilience Improved," particularly "IR3.2 Natural Resources and Environmental Management Improved" of the results framework of USAID/Philippine Mission's Country Development Cooperation Strategy (2012-2016). The Project is also designed to contribute to priority goals and actions laid out in the Philippine Development Plan (2011-2016) particularly Chapter 4 (Competitive and Sustainable Agriculture and Fisheries), and Chapter 10 (Protection, Conservation and Rehabilitation of Environment and Natural Resources). This five-Year project will provide technical assistance to the Government of the Philippines (GPH), through the Department of Agriculture – Bureau of Fisheries and Aquatic Resources (DA-BFAR) and implemented in partnership with selected LGUs.

This Work Plan presents activities and interventions for the third Year of the ECOFISH Project implementation covering the period 01 October 2014 to 30 September 2015. It likewise describes the major focus of the interventions and activities in engaging the national and local partners. During the annual planning exercise in Tagbilaran City, Bohol, the project team revisited the Year 1 and 2 activities, identified activities which needed to be accelerated, and developed the detailed work plan for Year 3 with reference to deliverables prescribed in the Life of Project Work Plan. In conducting the review of accomplished activities, the team likewise revisited the documents that support their completion. Also, in the development of the work plan, the team consciously put upfront activities that will contribute to the final outcomes, namely, those that will lead to increase in fisheries biomass and increase in the number of people gaining employment or better employment from sustainable fisheries management. The team likewise agreed that project activities will be mostly focused on inter-LGU interventions, and policies to be crafted will be mostly in support of site-level interventions. The project team likewise initially discussed the plan to roll out national and local constituency building initiatives, as well as to integrate the project communication strategy into key interventions and results that needs to be shared with a bigger and broader audience. These are, however, activities that will have to be further carefully planned for integration into the work plan and may be implemented at a later date.



## 2. Project Objectives

The main objective of the ECOFISH Project is to improve the management of important coastal and marine resources and associated ecosystems that support local economies. It will conserve biological diversity, enhance ecosystem productivity and restore profitability of fisheries in eight marine key biodiversity areas (MKBAs) using ecosystem approaches to fisheries management (EAFM) as a cornerstone of improved social, economic and environmental benefits.

The application of EAFM principles and practices is a proven approach for reversing the decline of fish abundance in municipal waters and build community resilience. EAFM aims to manage fisheries at ecosystem scales rather than the scales defined by jurisdictional boundaries. Effective collaborative governance arrangements for EAFM provides the multiple benefits of improving ecosystem management, reducing the unit costs of management, and making the establishment of sustainable financing mechanisms and public-private partnerships (PPPs) more feasible and attractive to investors. Development of PPPs is a key strategy of the Philippine Development Plan.

The ECOFISH Project is designed to make an impact in eight MKBAs in the country (Figure 1), namely: (1) the Calamianes Group of Islands MKBA, (2) Lingayen Gulf MKBA, (3) Ticao Pass – Lagonoy Gulf - San Bernardino Strait MKBA, (4) Danajon Reef MKBA, (5) South Negros MKBA, (6) Surigao del Sur and Surigao del Norte MKBA, (7) Sulu Archipelago MKBA, and (8) Verde Island Passage MKBA. They represent all six marine bio-regions of the Philippines and were selected due to their extremely high need for marine biodiversity conservation. These areas are marine ecosystem “hotspots” in the Philippines that mirror the common issues impacting capture fisheries locally and nationally, namely:

- loss of marine biodiversity;
- declining fish stocks;
- high population growth;
- limited private sector investment;
- inconsistent policies and programs for sustainable fisheries; and
- weak institutional and stakeholder capacity to plan and implement fisheries management.

Although majority of project activities will cut across these eight MKBAs, implementation strategies, focus, priorities, and levels of engagement may differ from place to place mainly because each MKBA has unique ecosystem features, opportunities, and threats. Table 1 shows the general ecosystem features, opportunities and threats in the eight MKBAs.

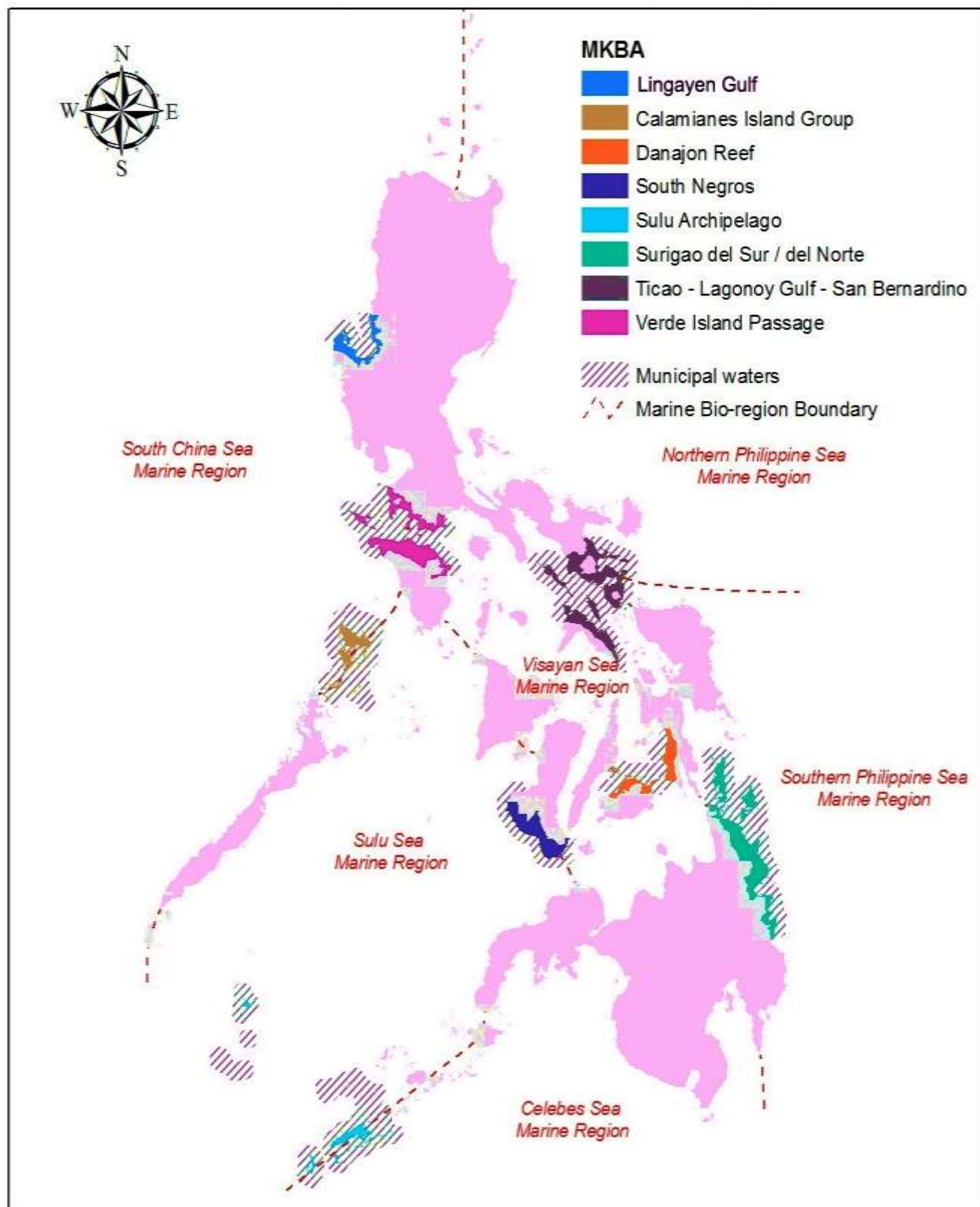


Figure 1. Map of the Eight Marine Key Biodiversity Areas (MKBA) of ECOFISH

**Table 1. Summary of Ecosystem Features, Opportunities, and Threats in the Eight MKBAs**

<b>MKBA</b>	<b>Ecosystem Features</b>	<b>Opportunities</b>	<b>Threats</b>
Calamianes Island Group	70 percent of the coral and seagrass species recorded in the Philippines	Take advantage of focus on MPA management to support ecotourism and economic alternatives; collaborate and leverage work at CTI demonstration site.	Destructive fishing and uncontrolled live fish trade; one weak LGU reduces impact of LGU inter-alliance's activities.
Lingayen Gulf	Extensive coral reef, seagrass, and soft bottom community supporting the rich fishing ground	Ability to identify specific protection and management interventions from long-term fisheries data sets; leverage high awareness due to past environmental programs to implement EAFM activities.	Severe overfishing and poor water quality in mariculture areas resulting in fish kills; Lack of LGU inter-alliances.
Danajon Reef	One of the three double barrier reefs in the Indo-Pacific	Take advantage of strong provincial and municipal buy-in of CRM programs to further EAFM goals. Strong LGU alliances.	High fish demand lead to high fishing pressure and illegal fishing.
South Negros Island	Deep water harbors large and small pelagic fishes	Begin to formalize and develop EAFM activities by building on long history of community-based marine protected areas.	No comprehensive assessment of capture fisheries; Lack of inter-LGU alliances.
Sulu Archipelago	Rich ecosystem with massive network of coral reefs, seagrass beds, and mangroves	Collaborate and leverage work at CTI demonstration site; begin the capacity building by capitalizing on increasing awareness on coastal and fisheries resource management.	Still weak management and law enforcement and lack of formal inter-LGU alliance's agreements; unsustained support from some local governments.
Surigao del Sur and Surigao del Norte	Extensive deep water and shallow water coral reef, seagrass, and soft bottom resources	Take advantage of strong inter-LGU alliances to leverage and increase fisheries interventions.	Upland erosion and siltation from mine tailings of nearshore habitats.
San Bernardino – Ticao Pass – Lagonoy Gulf	Diverse small pelagic resources; important habitat for dolphins, dugongs, and whale sharks	Utilize long-term data for Lagonoy Gulf and Sorsogon Bay to identify specific interventions; take advantage of active university involvement to participate in project and development employment from growing marine ecotourism sector.	Steep declines in fish stocks; encroachment of commercial vessels; complex marine ecosystem; lack of LGU inter-alliances.
Verde Island Passage	Considered the “center of the center” the world’s fish diversity	Long-term marine conservation initiatives by NGOs; CTI demonstration site	Encroachment of commercial vessels, use of cyanide in aquarium fish collection

### **3. Coordination and Collaboration Requirements with Partners**

The direction, guidance and support of USAID/Philippines, particularly its Office of Energy, Environment and Climate Change (OEECC), is essential to successful implementation of the work plan and the attainment of the project objectives. Since site-level activities will be the main focus of project interventions in Year 3, critical guidance and support during this period will be particularly needed in the following areas:

- Coordination of work programs with regional, provincial, and municipal government agencies through their various implementing mechanisms;
- Sustaining and enhancing the established coordination mechanisms with national partners and agencies;
- Representation in strategic activities and partnerships (e.g., alliance-building, PPPs, IEC) requiring entities/signatories beyond the lifespan/scope of the ECOFISH project; and
- Coordination and collaboration across relevant programs/projects within USAID at national, regional (e.g., collaborative work with NOAA, USDOJ, RDMA), and global (e.g., biodiversity, economic growth) levels, as well as those of other donor agencies (e.g., ADB, GIZ, UNDP).

During Year 1 and 2, the support of BFAR at the national and regional levels were crucial especially in engaging collaboratively with other government agencies (DENR, DILG, DBM and NAPC), development partners, local government units, and fisherfolk organizations. The support of DA-BFAR at the national level was crucial in moving forward policy instruments to implement EAFM and at the regional and provincial levels for implementing the activities/interventions in the MKBAs. Also, coordination with other agencies have continued to ensure their support for targeted activities covered in their respective mandates. Similar support from BFAR will be essential during Year 3.

In the eight MKBAs, ownership by local governments of the Project was crucial and activities had to proceed with good recognition by local government executives of the need to manage their fisheries and coastal resources, as well as a good understanding of the role and objectives of the Project. The private sector (at national and site level) have been consulted and made aware of their potential key contributions to ECOFISH initiatives in managing fisheries resources. Such modalities and support from site LGUs and partners will similarly be critical during Year 3.

The critical assumptions for the success of implementation of the Year 3 work plan (that are beyond the control of the Project) remain the same as in the Year 1 and 2 work plan, namely:

- Climate change impacts will be at manageable levels and will not have adverse effects on the expected biophysical and economic targets of the Project;
- External activities like mining, siltation from uplands and runoff from agriculture and built-up areas will not adversely affect the biological targets of the Project; and
- There is a critical mass of private sector entities in the MKBAs.

## 4. General Annual Work Plan – Year 3

At the end of five years of project implementation, the 13 ECOFISH project deliverables are expected to lead to the following key results:

- (A) An average of 10% increase in fisheries biomass across the eight MKBAs;
- (B) A 10% increase in the number of people gaining employment or better employment from sustainable fisheries management from a baseline established at the start of the Project;
- (C) Establishment of a national capacity development program to enhance the capacities of LGUs and relevant national agencies to apply ecosystem-based approaches to fisheries management;
- (D) Eight public-private partnerships supporting the objectives of the ECOFISH Project created and operating;
- (E) One million hectares of municipal marine waters under improved management; and
- (F) A core of 30 LGUs across the eight MKBAs with improved capacity for implementing ecosystem approaches to fisheries management.

Table 2 presents the main relationship between the 13 deliverables and the six key results. Deliverables leading to Results C and D build the foundation for project activities. Those for Results E and F drive the implementation at the MKBA level, and taken together they attain the overall ECOFISH final outcomes A and B.

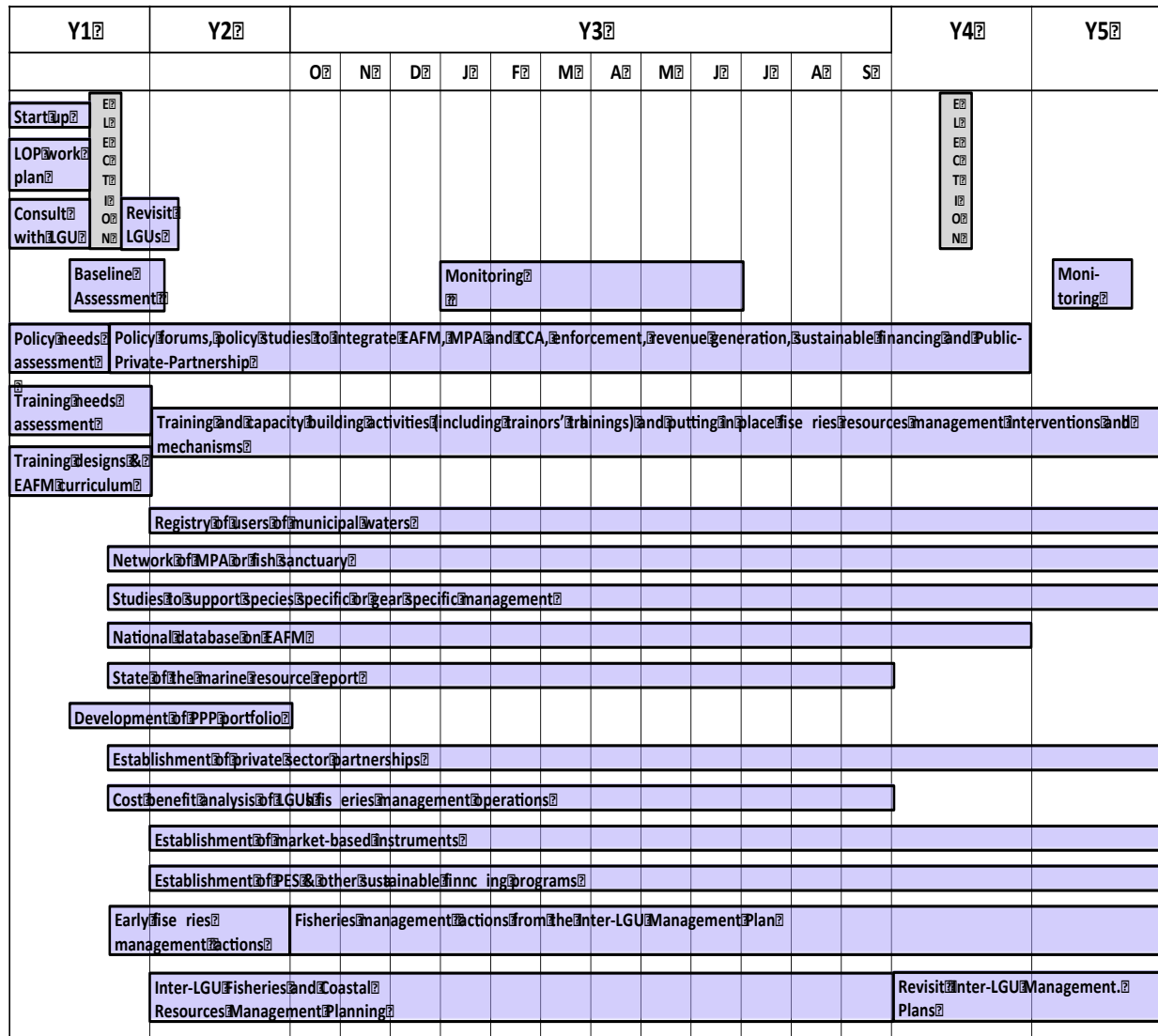
Guided by the LOP work plan (ECOFISH Document No.: 01/2013), this document describes the host of activities/interventions during the third year of ECOFISH Project implementation, from 01 October 2014 to 30 September 2015. Major thrusts for this period include the following:

- Focus on inter-LGU interventions on fisheries management;
- Policies to be crafted will mostly be in support of site-level fisheries management interventions;
- Continue to focus on interventions that will serve as building blocks as well as directly influence the achievement of the final outcomes of the Project (namely, an average of 10% increase in fisheries biomass and a 10% increase in the number of people gaining employment or better employment from sustainable fisheries management);
- Use baseline assessment results as inputs to fisheries management and socioeconomic interventions;
- Establish and strengthen networks of MPAs;
- Establish boat and gear registration to complement FishR;
- Accelerate the establishment of community partnerships;
- Develop the Municipal Fisheries Management Start-Up Guide;
- Institute market-based financing instruments;
- Roll out national and local constituency building initiatives; and
- Integrate communication strategies into key interventions and expected results for sharing with a bigger and broader audience.

**Table 2. Main Relationship between Project Deliverables and Key Results**

Tasks	Deliverables	Results	
		<p><b>Result A.</b> An average of 10% increase in fisheries biomass across the eight MKBAs.</p> <p><b>Result B.</b> A 10% increase in the number of people gaining employment or better employment from sustainable fisheries management from a baseline established at the start of the project</p>	Final Outcomes
<p><b>Task 1.</b> Establish and Implement a National Training Program</p> <p><b>Task 2.</b> Provide Technical and Advisory Support at the National Level</p> <p><b>Task 3.</b> Create Public-Private Partnerships</p>	<p><b>Deliverable 1.</b> Policy Studies on EAFM, MPA, and Climate Change</p> <p><b>Deliverable 2:</b> Toolkits, Sourcebooks, and Case Studies on EAFM, MPA, and Climate Change</p> <p><b>Deliverable 3:</b> A National Database on EAFM Established Using the Annual Monitoring Data in the 8 MKBAs</p> <p><b>Deliverable 4:</b> State of the Marine Resources Report</p> <p><b>Deliverable 5:</b> National, Regional and Municipal EAFM Trainings Conducted</p> <p><b>Deliverable 6:</b> Public-Private Partnerships Supporting ECOFISH Objectives Established</p>	<p><b>Result C.</b> Establishment of a national capacity development program to enhance the capacities of LGUs and relevant national agencies to apply ecosystem-based approaches to fisheries management.</p> <p><b>Result D.</b> Eight public-private partnerships supporting the objectives of the ECOFISH project created and operating</p>	Build Foundation
<p><b>Task 4.</b> Provide Technical and Advisory Support at the Local Level</p> <p><b>Task 5.</b> Develop a Registry of Users of Municipal Fishing Waters</p> <p><b>Task 6.</b> Identify and Implement Sustainable Financing Programs to Support EAFM Projects</p> <p><b>Task 7.</b> Establish a Baseline on Coastal and Marine Resources and Relevant Socio-economic Information, Develop and Apply Metrics on Monitoring EAFM Implementation in Target MKBAs</p>	<p><b>Deliverable 7:</b> Bio-physical, Social and Economic Baseline Assessments of the 8 MKBAs</p> <p><b>Deliverable 8:</b> Scientific Studies on Select MKBA- Specific Fish Species</p> <p><b>Deliverable 9:</b> MPA Network Analyses in the 8 MKBAs</p> <p><b>Deliverable 10:</b> Fisheries Management Plans of Select Inter-LGU Alliances in the 8 MKBAs</p> <p><b>Deliverable 11:</b> Registry of Users of Municipal Fishing Waters Established in Select Municipal LGUs in the 8 MKBAs</p> <p><b>Deliverable 12:</b> Revenue Generation System for Fisheries Management Established and Effectively Implemented in Select LGUs</p> <p><b>Deliverable 13:</b> Sustainable Financing Programs for EAFM Implemented in Select LGUs in the 8 MKBAs</p>	<p><b>Result E.</b> One million hectares of municipal marine waters under improved management.</p> <p><b>Result F.</b> A core of 30 LGUs across the eight MKBAs with improved capacity for implementing ecosystem approaches to fisheries management.</p>	Implement Best Practices

Figure 2 summarizes the general calendar of ECOFISH Project activities and interventions for the life of project showing a higher time resolution during Year 3 of the Project (and adjusted to coincide with USAID’s fiscal year cycle). These activities and interventions are planned to culminate during specific periods and their scheduled year of completion are described in the Life of Project Work Plan. Preparation and enabling activities are not reflected here but they are detailed and described under the different components clustered together according project deliverable.



**Figure 2. General Calendar of ECOFISH Activities and Interventions Highlighting the Year 3 Activities.**

Descriptions of the key activities/interventions under each of the 13 deliverables during Year 3 of ECOFISH implementation are given below.

## **Deliverable 1: Policy Studies on EAFM, MPA, and Climate Change**

The focus of ECOFISH policy assistance in Year 2 was to facilitate the preparation and approval of national policies that will enable better field implementation of EAFM. The Project continued to support BFAR on fisherfolk registration under the FishR Program, and initiated discussions for the registration of small-scale fishing boats and passive gear. ECOFISH also provided support for the PNP-MG to enhance law enforcement through the 700DALOY text messaging platform for reporting fisheries law violations and the Adopt-a-MPA Project. Finally, the Project worked with BFAR and NAPC in formulating a program for building fish landing sites for small-scale municipal fisheries in selected municipalities. The fish landings are intended to be the hub for economic activities as well as skills-building for sustainable fisheries practices.

In Year 3, ECOFISH will continue to support national policy formulation to further strengthen the foundations for EAFM. In addition, the Project will now focus on policy formulation at the municipal and MKBA levels, to complement the implementation of fisheries management interventions such as marine spatial planning, species- and gear-specific management, and improved fisheries law enforcement.

<b>Deliverable 1: Policy Studies on EAFM, MPA, and Climate Change</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Conduct studies on EAFM policies and policy implementation in providing an enabling environment for EAFM</b>				
Support for national level policies: Possible topics: NAPC/BFAR fish landing sites identification; Boat-R, following EO 305; Fish examiners training/certification program; Amendment of FAO 246 ( <i>hulbot-hulbot</i> ); Policy on seasonal closures nationwide; Wildlife trafficking EO support.				
Support for preparation of local policies, as needed.				
<b>Conduct policy forums with relevant stakeholder groups (climate change impact on fisheries, administrative adjudication, commercial fishing boat registration, FADs, closed seasons)</b>				
National forum on climate change/ ENSO impact on fisheries and coastal resources.				
Regional forum on seasonal closure for small pelagics in VIP.				
<b>Conduct policy studies to integrate CTI themes, EAFM, MPAs, and climate change into existing policy instruments (climate smart MPA networks, resiliency of fishing livelihoods)</b>				
Study on the seasonal closure for small pelagics in VIP: governance, socio-economic and biological aspects.				



<b>Conduct policy studies on revenue generation, sustainable financing, and PPPs to support sustainable fisheries management</b>				
NAPC Poverty Reduction Program for Fisherfolk.				
Team Lead: Senior Governance and Institutional Development Specialist, Chief of Party Key Partners: BFAR, DA, DENR, DILG, NEDA, DTI, DOF, DOJ, DBM, LMP, NFR, NFARMC, commercial fishing sector				

## **Deliverable 2: Toolkits, Sourcebooks, and Case Studies on EAFM, MPA, and Climate Change**

In Year 2, ECOFISH made substantial progress in the preparation of the LGU Start-Up Guide, which is intended to be a user-friendly, informative and activity-oriented tool for LGUs that wish to implement EAFM. The Project also consolidated materials on fish examiners' training that will be used in the preparation of the Procedural Handbook and Video. In addition, ECOFISH was instrumental in designing and implementing the enhanced National Stock Assessment Program (NSAP) Training Program.

For Year 3, ECOFISH will complete the LGU Start-Up Guide, which will include a separate volume of useful toolkits to guide the implementation of key activities in the Start-Up Guide. ECOFISH will also start documenting up to 16 case studies that showcase EAFM best practices in the project sites.

<b>Deliverable 2: Toolkits, Sourcebooks, and Case Studies on EAFM, MPA, and CCA</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Develop the Municipal Fisheries Management Toolkit series (update Volume 1, develop additional volumes)</b>				
EAFM Start-up Guide for LGUs developed, published and launched.				
Develop municipal fisheries management toolkit to complement Start-Up Guide.				
<b>Develop case studies on the integration of CTI themes (EAFM, MPAs, and CCA) at the site level</b>				
Develop case studies on the integration of CTI themes on EAFM, MPAs, and climate change at the site level (target is 2 MKBAs).				
<b>Develop and produce Fishery Law Enforcement Procedural Handbook</b>				
Develop the Fish Examiner's Training Manual.				
<b>Produce fishery law enforcement instructional video</b>				
Develop the Fish Examiner's Training video.				
Team Lead: IEC Specialist, Senior Governance and Institutional Development Specialist, Senior Fisheries and Coastal Resource Management Specialist, Regulation and Enforcement Specialist, and MERF Key Partners: BFAR, DILG, PNP, LMP, university network, NFR				

### Deliverable 3: A National Database on EAFM Established Using the Annual Monitoring Data in the 8 MKBAs

The database system was continuously developed and improved in Year 2 including the development of protocol for data collection, entry, retrieval, and analysis. The analysis focussed on two aspects: (1) routines for use by LGU personnel in accessing and processing data to manage their fishery resources; and (2) routines to be used by the Project in processing data to monitor its project results, drafting of fishery profiles and inputs to fishery management initiatives supported by the Project in the eight MKBAs. This included fish catch, fishing effort, MPA assessment, socioeconomics, registration, licensing, and enforcement.

In Year 3, the protocol for data entry should have been finalized and the catch monitoring system should have been harmonized with NSAP. Information from the national EAFM database will likewise feed into the State of the Marine Resources Report particularly the key information that reflect the state of the fisheries in the country.

<b>Deliverable 3: A National Database on EAFM Established Using the Annual Monitoring Data in the 8 MKBAs</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Develop protocol for data collection &amp; entry in the national database</b>				
Develop protocol for entry and retrieval of data using the ECOFISH fisheries, socioeconomic and enforcement baseline data.				
Develop protocol for entry and retrieval of data on fishing boat and fishing gear registration.				
Test the use of database system in selected focal areas of ECOFISH.				
<b>Develop protocols for fish catch monitoring system to become part of the National Stock Assessment Program</b>				
Finalize agreement on relevant sets of information with NSAP and incorporate into the National Database and SMRR.				
<b>Develop protocols for benchmarking local EAFM</b>				
Incorporate the EAFM benchmarks into the database system.				
<b>Conduct training on the national database system</b>				
Conduct training on the national EAFM database in at least 2 MKBAs.				
Team Lead: Senior Fisheries and Coastal Resource Management Specialist, GIS-KIM Specialist, Senior Resource Economics Specialist, Regulatory and Enforcement Specialist, MERF Key Partners: BFAR, DILG, LMP, DENR				

### Deliverable 4: State of the Marine Resources Report

In Year 2, ECOFISH through MERF, conducted a review of the SCTR and other reports on the state of Philippine fisheries resources, coastal resources, and the marine environment and met with key partners to present the results of the review, develop the framework of the SMRR, and generally agreed on tasks in drafting and developing the report. The ECOFISH team also

conducted review sessions and workshops with partners to draft various sections of the report. The review sessions/workshops will continue during Year 3 until the team produces the first consolidated draft of the SMRR by the third quarter of Year 3.

<b>Deliverable 4: State of the Marine Resources Report</b>				
<b>Project Intervention/Activity</b>		<b>2015</b>		
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Conduct workshops and review sessions with partners to develop sections of the report</b>				
Workshops, writeshops and review sessions with partners to draft various sections of the report.				
<b>Prepare State of the Marine Resources Report</b>				
Develop a working draft of the State of the Marine Resources Report.				
Team Lead: Senior Fisheries and Coastal Resource Management Specialist, GIS-KIM Specialist, Senior Resource Economics Specialist, Regulatory and Enforcement Specialist, MERF				
Key Partners: BFAR, DENR, LMP, university network, WWF				

## **Deliverable 5: National, Regional and Municipal EAFM Trainings Conducted**

In Year 2, ECOFISH conducted trainings at the MKBA level on fisheries law enforcement and MPA management, among others. The Project also held workshops to refine local priorities and plans based on the results of the baseline assessments that the Project conducted in Year 1. In addition, BFAR and ECOFISH conducted trainings on fisherfolk registration, including the use of additional tools, such as the TVWS in Danajon to improve the efficiency of the registration process.

During Year 3, ECOFISH will follow through with trainings on socio-economic and biological assessments, constituency building and conflict management, MPA networks, boat/gear registration systems, law enforcement, fish examiner, local legislation and administrative adjudication, and marine spatial planning. The Project will consolidate training materials into handy toolkits that will complement the LGU Start-Up Guide. Also in Year 3, training on principles and application of EAFM for national, regional, and provincial partners will be conducted by ECOFISH, in collaboration with NOAA.

<b>Deliverable 5: National, Regional and Municipal EAFM Trainings Conducted</b>				
<b>Project Intervention/Activity</b>		<b>2015</b>		
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Develop or refine training courses</b>				
Develop/refine training courses (baseline assessments, constituency building/conflict management, MPA networks, registration systems, law enforcement, fish examiner, local legislation/administrative adjudication, marine spatial planning).				
<b>Deliver training courses for national government, LGUs, NGOs, and university network in MKBAs (at least 4/MKBA)</b>				

Deliver training courses for national government, LGUs, NGOs, and university networks (in at least 4 MKBAs) including socio-economic and biological monitoring assessments, constituency building/conflict management, MPA networks, boat/gear registration systems, law enforcement, fish examiner, local legislation/administrative adjudication, marine spatial planning).				
<b>Conduct training series for National Quick Response Team on fishery law enforcement</b>				
Conduct training series for National Quick Response Team on fishery law enforcement (fish examiner's training module review and trainer's training).				
<b>Conduct training series for MKBA Quick Response Team on fishery law enforcement</b>				
Conduct training series for MKBA Quick Response Team on fishery law enforcement (in 3 MKBAs), fish examiner's training, basic/advance law enforcement).				
<b>Team Lead: Senior Governance and Institutional Development Specialist, IEC Specialist, Senior Fisheries and Coastal Resource Management Specialist, Regulatory and Enforcement Specialist</b> <b>Key Partners: BFAR, DENR, Philippine Coast Guard, PNP, NFARMC and LMP</b>				

## **Deliverable 6: Public-Private Partnerships Supporting ECOFISH Objectives Established**

During Year 3, ECOFISH will focus on the full implementation, consolidation and monitoring of ongoing partnerships, as well as continue scoping and development of new strategic and community partnerships.

As a technology trial and pilot, the “TV White Space Supported Fisherfolk Registration in the Danajon Reef” partnership is anticipated to close in December 2014. ECOFISH will ensure that all gains made from the partnership are institutionalized. This includes capturing best practices and maintaining mobile registration. ECOFISH will also work very closely with DOST-ICT Office and BFAR for a possible expansion of TV White Space-supported fisherfolk registration in other parts of Bohol and other ECOFISH sites.

The data collected from the “Species Specific Assessment and Pilot of the Spawning Potential Ratio Method of Blue Swimming Crabs” in Bohol will be presented to provincial partners, PACPI and local partners in particular to inform management intervention and to determine possible management/policy interventions towards the conservation of blue swimming crabs in the province. This will be followed by a second set of data collection to determine the effect of management measures on SPR.

Considering the success of 700DALOY in Tawi-Tawi, ECOFISH and its partners (the PNP-MG, Smart, and DILG), have agreed to replicate the model across all ECOFISH sites. This expansion will accompany a possible upgrade of the hotline to support enforcement analytics and the streamlined processing of reports to facilitate strategic response.

ECOFISH will formally conduct the training (in the first quarter of Year 3) under the “Pilot PPP Training Program” partnership with DAP. The “Mentorship for Enterprise Development” partnership with AIM will also be launched in time for the roll-out of enterprise development activities in the Calamianes Island Group, Southern Negros and the Verde Island Passage.

For community partnerships, the Project will prioritize the completion of organizational strengthening and legitimization activities in direct support to candidate enterprise development sites in the Calamianes Island Group, Southern Negros, Verde Island Passage, Danajon Reef and/or Surigao del Norte. Organizational diagnosis and scoping activities will also be conducted for other sites in San Bernardino Strait, Lingayen Gulf and Tawi-Tawi.

Finally, ECOFISH will continue to pursue prospective and promising PPP opportunities with a wide range of private and public sector entities, now with a more explicit objective of facilitating an increase in better employment through enterprise development. These partnerships include: a possible tie-up with the Zoological Society of London and Interface (a US-based carpet company) for the expansion of their Net-Works Project or the upcycling of discarded nets across multiple ECOFISH sites as a means of livelihood for fisherfolk communities; support from the ABS-CBN Foundation and Unilab for the enterprises being developed by the fisherfolk and indigenous communities of Calamianes; support from the industry alliance located in Verde Island Passage called the Batangas Coastal Resource Management Foundation for providing alternative work for affected fisherfolk by the proposed closed season in Balayan Bay; and the possible piloting of the US State Department’s mFish program in ECOFISH sites to leverage mobile technology solutions for EAFM.

Deliverable 6: Public-Private Partnerships Supporting ECOFISH Objectives Established				
Project Intervention/Activity		2015		
	Q1	Q2	Q3	Q4
Develop strategic partnerships				
Closing of partnership on TV White Space Supported Fisherfolk Registration in the Danajon Reef.				
Continue collection of data on SPR for the management of blue swimming crabs in Danajon Reef.				
Conduct consultation with local partners on the management measures resulting from the SPR data; data collection to evaluate the effect of management measures.				
700DALOY Roadshow in Tawi-Tawi.				
Introduce upgrades to the 700DALOY system.				
Launching of 700 DALOY in Southern Negros, Danajon Reef, San Bernardino Strait and Lingayen Gulf.				
Launching of 700 DALOY in Calamianes Group of Islands, VIP, and Surigao del Norte.				
Conduct pilot PPP training.				
Develop framework for mentorship and incubation for enterprise development.				
Establish a menu of enterprise development activities for mentorship support .				

Conduct mentorship activities.				
Conduct scoping, negotiations and formalization of partnership programs.				
<b>Establishment of community partnerships</b>				
Organizational strengthening and legitimization for Calamianes Island Group, VIP, and Southern Negros.				
Assistance for enterprise development activities.				
Organizational diagnosis, strengthening and legitimization for Danajon Reef, Surigao del Norte, San Bernardino Strait, Lingayen Gulf, Tawi-Tawi.				
Team Lead: SSG Advisors Partnership Specialist, Senior Resource Economics Specialist, REECS, SSG				
Key Partners: BFAR, private sector, LGUs				

## **Deliverable 7: Bio-physical, Social and Economic Baseline Assessments of the 8 MKBAs**

By design, baseline assessments and subsequent monitoring events of the Project will be conducted in Years 1, 3, and 5. Fisheries, socio-economic, MPA, enforcement and governance surveys will therefore be conducted in Year 3. Initial trends will be established, especially in areas where early management interventions have taken place. Baseline assessments were conducted in Year 1, and results were used to feed into the initial EAFM planning process conducted in Year 2. In some cases, locations as to where to propose project interventions, or even the choice of interventions themselves, were based on the assessment results.

Fisheries and MPA monitoring will be conducted in the same sampling sites established during the baseline assessment in Year 1. Catch rates and biomass of selected fisheries resources in focal areas within the MKBAs will be measured using fisheries-dependent assessment methods. Similar sets of information will be collected, namely: catch rate, fishing effort, catch composition, size composition and extent of fishing areas. For MPAs, reef fish biomass, coral cover and species richness will be the main parameters to be monitored. Other information that will be important to management of the habitats such as the presence of other flora and fauna, dead corals, and other ecological parameters will also be collected.

The socio-economic monitoring event will be conducted using the same households surveyed during the baseline assessment. The survey instrument will be shortened, as some of the indicators may take more time before (quantitative and perception) changes can be realized. Furthermore, the socio-economic instrument will be reconfigured so it is more compatible and consistent with the fisheries surveys (e.g. using the same names for gears and species). Partial data processing for at least 4 MKBAs should be completed in time for the mid-term evaluation of the Project during the 3<sup>rd</sup> quarter of Year 3.

EAFM benchmarking and assessment of the status of enforcement conducted in Year 1 will also be repeated in Year 3. This is both for project monitoring purposes as well as to serve as feedback and guide to local partners on the status and development of their fisheries management and enforcement programs.



<b>Deliverable 7: Bio-physical, Social and Economic Baseline Assessments of the 8 MKBAs</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Conduct fisheries baseline assessment and monitoring</b>				
Coordination with LGUs covering selected focal areas in the 8 MKBAs.				
Hiring and training of personnel.				
Data collection and analysis.				
<b>Conduct MPA baseline assessment and monitoring (as part of MPA establishment)</b>				
Coordination with LGUs covering the selected focal areas in the 8 MKBAs.				
Hiring and training of personnel.				
Data collection and analysis.				
<b>Conduct socioeconomic monitoring</b>				
Refine the survey instrument.				
Train/ reorient enumerators for each MKBA.				
Conduct surveys in all MKBAs and process data.				
Feedback results to LGUs, BFAR and other partners.				
Use results for refining establishment of social enterprises and other socio-economic interventions of the Project.				
<b>Conduct enforcement baseline assessment and monitoring</b>				
Coordination with LGUs covering selected focal areas in the 8 MKBAs.				
Conduct workshop/FGD, data collection and analysis.				
<b>Conduct EAFM governance assessment and monitoring using benchmarking system in MKBA focal area LGUs</b>				
Coordination with LGUs covering selected focal areas in the 8 MKBAs.				
Conduct workshop/FGD, data collection and analysis.				
Team Lead: Regulatory and Enforcement Specialist, Senior Fisheries and Coastal Resource Management Specialist, Senior Governance and Institutional Development Specialist. Key Partners: BFAR, LMP, MKBA LGUs				

## **Deliverable 8: Scientific Studies on Select MKBA-Specific Fish Species**

In Years 1 and 2, the project team consulted partners and resource users in the MKBAs and came up with a list of key species that would require fisheries management interventions during the life of the project. This was guided by the results of the fisheries and socioeconomics baseline assessment conducted in Year 1. The objective is to establish model species-specific management intervention in each area by going through the entire process (of information gathering from existing literature, primary data collection as necessary, stakeholder consultation, drafting of policy instruments like ordinances, and setting up strategies for their effective implementation). The entire exercise will likewise allow partners to learn the rudiments of the management planning cycle and make them confident to replicate the process on their own for other species or fisheries. During Year 2 and continuing through the early part of Year 3, ECOFISH is narrowing down key species to be managed during the EAFM framework planning exercises being conducted in each MKBA.

In Year 2, the working Ecopath with Ecosim (EwE) models for the former FISH Project sites (in Danajon Bank and Calamianes Island Group) were updated using the results of the fisheries and socioeconomic baseline assessment. These will be the base models for right-sizing of fishing effort to be initiated in Year 3 in these two MKBAs. Likewise, the EwE models for focal areas in the rest of the MKBAs will be updated in Year 3 to serve as base model for right-sizing of fishing effort in Years 4 and 5.

The assessment and evaluation of the viability of candidate mariculture species in the focal areas were already conducted in focal areas of Danajon Reef, Calamianes Island Group, and Tawi-Tawi MKBAs. Scientists from SEAFDEC will be contracted to do the same for the rest of the other MKBAs in Year 3. This will also include establishment of management/mitigation measures for current and future mariculture activities.

In terms of assessing and evaluating candidate mariculture species, sea cucumber has been identified for sea ranching and will be piloted in at least one MKBA in Year 3 (see Deliverable 13). Scientific studies coupled with economic feasibility studies will be conducted in 2015, which in turn will lead to the commercialization of the products anchored on sustainability principles. For cost-benefit studies, initial data gathering will commence in Year 3.

Only one economic valuation study was conducted in Year 2, i.e. estimating the recreational value of Siargao. For Year 3, additional valuation studies will be conducted for revenue generation schemes that will require primary data gathering (see Deliverable 12). No particular number will be targeted for Year 3, as the Project will be opportunistic in this regard. At the minimum, however, at least one valuation study per MKBA will be targeted for completion in 2015.

<b>Deliverable 8: Scientific Studies on Select MKBA-Specific Fish Species</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Determine and establish trophic interactions and appropriate fishing effort configuration using Ecopath model</b>				
Develop various choice scenarios on effort configuration in at least two MKBAs (former FISH project sites).				
Consultation with stakeholders on establishing appropriate fishing effort in at least 2 MKBAs (former FISH project sites).				
Develop and refine trophic models for the rest of the other MKBAs.				
<b>Identify species-specific or fishing gear studies based on results of baseline assessment (in new MKBA focal areas)</b>				
Finalize species-specific or gear-specific interventions with partners.				
Identify and establish socio-economic safety nets for displaced fisherfolk with the imposition of species-specific interventions.				
<b>Assess and evaluate the viability of mariculture species (with preference towards lower trophic level species)</b>				
Assess and evaluate the viability of mariculture species in the rest of the other MKBAs.				



Assess and evaluate the economic feasibility of sea cucumber ranching in selected MKBAs.				
<b>Establish management/mitigation measures for mariculture activities</b>				
Establish management/mitigation measures for mariculture activities in the rest of the other MKBAs.				
<b>Determine economic values and perform cost-benefit analysis in MKBA focal area LGUs (same as in Deliverable 12)</b>				
Collect baseline information on CRM revenues and expenditures per LGU.				
Team Lead: Senior Fisheries and Coastal Resource Management Specialist, MERF, Senior Resource Economics Specialist Key Partners: BFAR, SEAFDEC, University network (SAF may be used to support these institutions)				

## Deliverable 9: MPA Network Analyses in the Eight MKBAs

MPA network analyses involve the construction of connectivity matrix using results from hydrodynamic study and dispersal models and will be used to identify potential sources and sinks of larvae. Dispersal models for Calamianes Island Group, Danajon Reef and Tawi-Tawi Bay systems have already been developed and will be utilized for MPA network analysis and establishment or strengthening of the network of MPAs. In Year 2, ECOFISH has started the development of the dispersal models for the rest of the other MKBAs to be used for designing the MPA networks.

Year 3 will be focused on the design of the MPA networks, consultation with MPA management council members of the network, and formalizing the establishment of the networks.

<b>Deliverable 9: MPA Network Analyses in the Eight MKBAs</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Conduct hydrodynamic study and dispersal modeling</b>				
Finalize hydrodynamic study and dispersal models for area selected for establishment of network of MPAs.				
<b>Develop MPA network design (includes climate change adaptation strategies)</b>				
Draft MPA network design.				
Consult with partners until finalization of the MPA network design.				
<b>Establish MPA network in new MKBAs</b>				
Conduct partner consultations and meetings to set up component MPAs as part of the network.				
Develop plan to implement component MPAs including tasking, and financing.				
<b>Strengthen MPA networks in existing MKBA focal areas</b>				
Develop customized capacity building program for MPA networks to promote compliance and enforce regulations (continuing activities).				
Team Lead: Senior Fisheries and Coastal Resource Management Specialist, MERF Key Partners: BFAR, University network (SAF may be used to support local colleges)				

## Deliverable 10: Fisheries Management Plans of Select Inter-LGU Alliances in the Eight MKBAs

In Years 1 and 2, ECOFISH revisited the implementation of the integrated management plans of former FISH Project sites and consulted with partners and LGUs regarding initiatives to revive or strengthen the initiatives. This also included efforts to restore key elements of inter-LGU arrangements in the former FISH Project focal areas and initiated the establishment of inter-LGU alliances in the rest of the other focal areas of the MKBAs. The key interventions were the establishment or strengthening of individual LGU's fishery law enforcement teams and the building or strengthening of inter-LGU regulatory compliance and enforcement capabilities. Other project interventions that commenced in Year 2 were the development of marine spatial zoning plans and activities that support registration and licensing initiatives.

In Year 3, the project team will continue the inter-LGU fisheries management planning process to cover all focal areas of the eight MKBAs. This will be done parallel to the establishment and strengthening of the inter-LGU enforcement teams as well as strengthening their regulatory and compliance capabilities. To consolidate the various efforts, ECOFISH will likewise assist these clusters of LGUs in developing their water and fisheries use zoning plans. Consultation with at least two clusters of LGUs will be initiated to establish their fishing effort configurations.

<b>Deliverable 10: Fisheries Management Plans of Select Inter-LGU Alliances in the Eight MKBAs</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Conduct integrated coastal and fisheries management planning for cluster of municipalities or LGU alliances</b>				
Continue activities to revive or strengthen inter-LGU CFRM initiatives in the 8 MKBAs.				
Continue inter-LGU planning process to cover all focal areas in the 8 MKBAs.				
<b>Provide technical support in the establishment of coastal and fisheries law enforcement teams (new sites)</b>				
Conduct courses on fishery law enforcement as step in establishing enforcement teams and inter-LGU enforcement teams.				
<b>Provide technical support to strengthen coastal and fisheries law enforcement teams (former FISH sites)</b>				
Continue the conduct of courses on fishery law enforcement as step in strengthening enforcement teams and inter-LGU enforcement teams.				
<b>Build/strengthen inter-LGU regulatory compliance and enforcement capabilities</b>				
Establish or strengthen inter-LGU enforcement arrangements.				
Conduct joint operations planning for cluster or alliance of LGUs.				
<b>Develop marine spatial zoning plan</b>				
Assist cluster of LGUs in reviving or strengthening the zoning plans (in FISH Project sites).				

Assist cluster of LGUs in developing the marine spatial zoning plan (in the rest of the other sites).				
<b>Establish appropriate fishing effort configuration for focal areas in the MKBAs</b>				
Consultation with focal area LGUs on the appropriate fishing effort configuration for focal areas of at least two MKBAs.				
Team Lead: DCOP for Operation, Senior Fisheries and Coastal Resource Specialist, Regulation and Enforcement Specialist Key Partners: BFAR regional and provincial offices, provincial governments and PNP				

## **Deliverable 11: Registry of Users of Municipal Fishing Waters Established in Select Municipal LGUs in the 8 MKBAs**

In Year 2, ECOFISH provided support to BFAR in conducting trainings for LGUs on fisherfolk registration under the FishR Program that the Project helped design in Year 1. ECOFISH decided to defer a complementary effort to develop a separate boat and gear registration system for LGUs when BFAR planned to launch a boat and gear registration program, called BoatR, to complement FishR.

In Year 3, ECOFISH will support BFAR in the design and implementation of BoatR, including the conduct of trainings in the Project's MKBAs. This year, at least ten LGUs across the 8 MKBAs will be trained on the management and use of BoatR - the boat and gear registration system.

<b>Deliverable 11: Registry of Users of Municipal Fishing Waters Established in Select Municipal LGUs in the 8 MKBAs</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Registration and licensing training, and drafting of ordinance</b>				
Registration and licensing training and drafting of ordinance (30 LGUs) – (BoatR - EO 305-based boat and gear registration compatible with FishR).				
Registration component of national database developed and deployed to LGUs (for right sizing of effort and national database – BoatR, the boat and gear registration compatible with FishR).				
<b>Registration systems component of national database developed and deployed to LGUs</b>				
Develop data acquisition and retrieval for the registration systems (focus only on fishing boats and gears) compatible with FishR.				
<b>Training on use of registration system in each MKBA for management</b>				
Training on the use of registration system in each MKBA for management (10 LGUs) – (BoatR - boat and gear registration compatible with FishR).				
Team Lead: Regulatory and Enforcement Specialist, Senior Fisheries and Coastal Resource Management Specialist, Senior Governance and Institutional Development Specialist. Key Partners: BFAR, LMP, MKBA LGUs				

## **Deliverable 12: Revenue Generation System for Fisheries Management Established and Effectively Implemented in Select LGUs**

Two user fee schemes were set up in Year 2, particularly for Mabini in the VIP MKBA and in Siargao for the Surigao MKBA. Results were shared with the respective LGUs and are now in the process of being translated into legal instruments for implementation. In Year 3, more user fee schemes will be studied and set up in the other MKBAs. Where feasible, results of previous studies will be replicated and adopted, subject to a few refinements in attuning them to local conditions and subjecting them to public consultations.

In establishing market-based financing instruments, valuation studies will be conducted in Year 3 in areas where user fee schemes are ripe for establishment. On the other hand, the Project will also identify other areas with existing user fees but can withstand some refinement and enhancement. One unique area where user fee schemes will be enhanced is the CADT of the Tagbanua in Coron, Palawan. The Project will provide assistance in improving collection, disbursement and other management schemes for TTCIA's user fees.

The national government has instituted a bottom-up budgeting (BuB) process that will enable LGUs that are listed in the poverty map of the National Anti-Poverty Commission (NAPC) to access larger shares from the budgets of national government agencies. The Project will continue working closely with NAPC and LGUs in facilitating this process, particularly in assisting project sites in designing proposals that will directly benefit the implementation of their IFRM Plans, or at least contribute directly to the objectives of sustainable fisheries management.

<b>Deliverable 12: Revenue Generation System for Fisheries Management Established and Effectively Implemented in Select LGUs</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Cost-benefit analysis of LGU operations involved in fisheries management</b>				
Perform CBA in VIP comparing costs of enforcement with tourism benefits.				
Collect baseline information on CRM revenues and expenditures per LGU.				
<b>Institute market-based financing instruments</b>				
Enhance user fee schemes in Calamianes.				
Conduct valuation studies in at least three MKBAs.				
Identify and design user fee schemes and conduct valuation studies necessary for other MKBAs.				
Scope for potential areas for replicating existing valuation studies and user fee schemes.				
<b>Facilitate larger access to national government budgets through BuB</b>				
Coordinate with BuB process at the local level.				
Liaise with national government agencies involved in the BuB process.				
Link BuB proposals with IFRM business plans.				
<b>Team Lead: Senior Resource Economist, REECS, and SSG</b>				
<b>Key Partners: BFAR, LMP, LPP, LGUs</b>				

## **Deliverable 13: Sustainable Financing Programs for EAFM Implemented in Select LGUs in the 8 MKBAs**

IFRM Plans will eventually be translated into Inter-LGU business plans. The formulation of IFRM Plans was not completed in Year 2, rather these are being scheduled for completion in Year 3. The formulation of business plans will be scheduled once the IFRM plans have been completed.

Value chain studies will be conducted for the MKBAs in Year 3. These will be done in close coordination with the biophysical team of the Project, particularly in choosing which specific species will be studied. Training of enumerators will be conducted during the first quarter, and subsequently the surveys will run for 6 months. A writeshop will be conducted during the third quarter, and the target is for all value chain studies to be completed by the end of Year 3. The results will be used to add to potential enterprises that may be set up, especially in MKBAs where organizing work has commenced, and in areas where markets exist.

Enterprise development has commenced in one MKBA, i.e. Southern Negros. In Year 3, the target is for at least 4 more MKBAs to start the development of social enterprises, particularly the social preparation for the POs to be involved. Private sector partners are being tapped vigorously, especially in Calamianes, VIP and Surigao MKBAs. Simultaneously, ECOFISH will continue to coordinate with existing national government programs and projects that are working in the same area to maximize synergies. When possible, enterprises will be set up in line with other project interventions, e.g. closed seasons for fishing (Deliverable 8) and PPPs (Deliverable 6), so that project interventions are aligned and project resources are maximized. Business planning will be provided through a partnership with AIM through Deliverable 6.

In Year 2, the design for a national Trust Fund for fisheries management was initiated, together with NAPC. In Year 3, advocacy for the approval and refinement of the FishFund concept will be pursued, with the target of including budgetary appropriations in 2016. The idea is for this Fund to be created specifically for funding fisheries resource management programs at the LGU level, such as ecosystem rehabilitation, ecosystem protection, enterprise development for coastal communities, species-specific management interventions, right sizing of fishing effort, enforcement of fishing rules and regulations, LGU capacity development for fisheries management, database development and constituency building.

Coastal adaptation funds will be capitalized through the establishment of incentive schemes for MPAs in the MKBAs of the Project. MPAs are being established and promoted not only because of their role in biodiversity conservation and fisheries recruitment, but also because of their contribution to climate change adaptation and increased resilience. Incentive schemes will be set up through the establishment of MKBA awards. The success of the BRAVO awards in Batangas has proven that incentive schemes do work, and they promote sustainability of MPA management. The Project will therefore set up similar schemes in each MKBA through partnerships with the private sector, provincial local governments and other major partners that may be interested in supporting such schemes. Year 3 activities for this particular component will focus on the identification of potential provinces or MKBAs which are ripe for establishing awards in Years 4 and/or 5.

PES schemes are being targeted to be set up in 4 MKBAs. In Year 3, the Project will explore the potential of establishing Development Impact Bonds, which can be likened to PES schemes to a certain extent. The actual roll out and pilot testing of DIBs will commence in Year 4.

<b>Deliverable 13: Sustainable Financing Programs for EAFM Implemented in Select LGUs in the 8 MKBAs</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Translate IFRM Plans into business plans</b>				
Review existing management plans for developing business plans.				
Draft business plans for selected LGUs with existing management plans.				
<b>Value chain analysis for local fisheries</b>				
Choose species for value chain studies.				
Conduct value chain studies.				
<b>Enterprise Development</b>				
Identify potential enterprises that employ fisherfolk in MKBAs.				
Link up/coordinate with interested partners from the private sector and/or NGOs in setting up the enterprise and community organizing work.				
Link up with DSWD-SLP for various stages in enterprise development.				
Commence social preparation work in 5 MKBAs.				
Provide technical and administrative support in setting up the social enterprises, and tie up enterprise development work with other components of the Project.				
<b>Development of Inter-LGU Trust Funds</b>				
Establish the national FishFund with NAPC, BFAR and DENR.				
<b>Capitalization of Coastal Adaptation Funds</b>				
Scope for MKBAs or provincial LGUs where awards can be set up.				
<b>Establish PES Schemes</b>				
Design and establish feasibility of Development Impact Bonds.				
<b>Team Lead: Senior Resource Economics Specialist, REECS, and SSG</b>				
<b>Key Partners: BFAR, LGUs, Private Sector</b>				

## 5. Site-Level Year 3 Work Plan

The activities in the MKBAs will primarily mirror many of the interventions and activities for the various deliverables described in the previous section. Some activities mentioned above will be mentioned here as well for emphasis.

Year 1 was focused mainly on start up activities primarily in consultation and orientation meetings and workshops with BFAR national and regional staff and key bureau heads. These were immediately followed by consultation and orientation activities with local partners, particularly with the local government executives and their key staff performing coastal and

fisheries resource management functions, fisherfolk organizations, and coastal and fisheries resources management stakeholders. The consultation activities include, in most cases, a formal launching of ECOFISH in the MKBAs, project orientation, fisheries management orientation, and benchmarking of the status of fisheries management of LGUs, and training and capacity building needs assessment of local partners. The site team coordinated and supervised the biophysical and socioeconomic baseline assessments and the initial activities in the establishment of MPAs and networks of MPAs. The site staff likewise assisted the PPP team in the identification of potential PPP opportunities in their respective MKBAs, mapping of stakeholders for partnerships across and outside focal areas, and in the preparation and conduct of business planning and partnership trainings.

The major thrusts of ECOFISH in Year 2 was putting in place interventions that serve as building block as well as directly influence the achievement of the final outcomes of the Project (namely, an average of 10% increase in fisheries biomass and a 10% increase in the number of people gaining employment or better employment from sustainable fisheries management).

In the development of the Year 3 work plan, the team consciously continued to put upfront activities that will contribute to the final project outcomes. The team likewise agreed that project activities will be mostly focused on inter-LGU interventions and policies that support site-level interventions. The specific site-level planned activities in Year 3 are given below.

### **Calamianes Island Group MKBA**

Year 2 project implementation in the Calamianes Group of Islands placed an emphasis on activities that are expected to contribute towards 10% increase in fish biomass and 10% increase in employment. These included the strengthening of individual MPAs and MPA network (with emphasis on implementing the strategies identified during the MPA network forum), capacity building of local partners in coastal and fisheries law enforcement, MPA assessment and management, and continued business plan mentoring assistance to community partners. Activities initiated in Year 2 included registration and licensing of fisherfolks and fishing boats and gears, revitalization of the Calamianes MPA Network, assisted partner PNP-MG in the - implementation of “Adopt-a-MPA” Project, feedback of baseline assessment results to finalize immediate fisheries management actions, enterprise development, policy review at the municipal level, and development of constituency-building strategies.

For Year 3, the Project will focus on several priority areas, some of which are a continuation of interventions/achievements in Year 2, while others are activities being initiated for the first time. These activities were chosen as they best contribute to final project objectives of 10% increase in fish biomass and 10% increase in better employment in the CIG focal area.

Calamianes Island Group MKBA				
Project Intervention/Activity	2015			
	Q1	Q2	Q3	Q4
<b>Deliverable 1: Policy Studies on EAFM, MPA, and Climate Change</b>				
Provide technical support in the review and drafting of local legislation and related consultations in at least 2 municipalities.				
<b>Deliverable 2: Toolkits, Sourcebooks, and Case Studies on EAFM, MPA, and CCA</b>				
Provide outline and assist in drafting the case studies.				
<b>Deliverable 4: State of the Marine Resources Report</b>				
Participate in the drafting of SMRR.				
<b>Deliverable 5: National, Regional and Municipal EAFM Trainings Conducted</b>				
Inter-LGU basic compliance promotion and enforcement training.				
Inter-LGU advanced compliance promotion and enforcement training.				
Training on local legislation and administrative adjudication.				
MPA enforcement trainings and planning workshops (10 MPAs).				
Inter-LGU operation planning on fishery law enforcement.				
Training for LGU on catch monitoring.				
<b>Deliverable 6: Public-Private Partnerships Supporting ECOFISH Objectives Established</b>				
Facilitate re-orientation on values formation of People's Organization in 2 municipalities.				
Conduct leadership, EAFM and gender sensitivity training.				
Organize the launching of 700DALOY.				
<b>Deliverable 7: Bio-physical, Social and Economic Baseline Assessments of the 8 MKBAs</b>				
Coordinate hiring of enumerators; meetings with local officials, POs, and NGOs in preparation for the biophysical and socio-economic monitoring.				
Provide administrative and technical assistance to the team in the conduct of biophysical and socio-economic monitoring.				
Conduct benchmarking and enforcement assessment exercises.				
<b>Deliverable 8: Scientific Studies on Select MKBA-Specific Fish Species</b>				
Facilitate collection of secondary information for the species-specific or gear-specific scientific studies.				
Review and refine existing document (from the FISH Project) on the viability of mariculture species and mitigation measures for mariculture activities.				
<b>Deliverable 9: MPA Network Analyses in the Eight MKBAs</b>				
Facilitate strengthening of MPA management committees.				
Assist in providing technical assistance, coaching and mentoring for the administration of MEAT.				
Organize training on MPA baseline assessment and actual assessment for non-priority MPAs.				
Assist in the identification and hiring of service provider under SAF for the MPA network.				
Provide technical assistance during MPA Network meetings.				
Facilitate the finalization of the Calamianes MPA network by-laws.				



Facilitate various meetings with MPA management councils including updating of MPA management plan and re-organization of MPA management council (continuing activity).				
<b>Deliverable 10: Fisheries Management Plans of Select Inter-LGU Alliances in the Eight MKBAs</b>				
Conduct training and writeshop on formulation of Marine Spatial Plan document.				
Review/amendment of fishery ordinance of 2 municipalities.				
Assist in the organization or strengthening of enforcement teams of the LGUs.				
Identify a service provider under SAF to provide technical and/or legal support to strengthen the municipal teams.				
Review and refine CIG Inter-LGU fisheries management plan.				
<b>Deliverable 11: Registry of Users of Municipal Fishing Waters Established in Select Municipal LGUs in the 8 MKBAs</b>				
Monitor the FishR activity in four municipalities.				
Monitor the implementation of fishing boat registration.				
<b>Deliverable 12: Revenue Generation System for Fisheries Management Established and Effectively Implemented in Select LGUs</b>				
Coordinate meetings with local officials, POs, local NGOs, and other stakeholders in preparation for the workshop and consultation on revenue generation system.				
Provide technical and administrative assistance in the development of TTICA user fee scheme.				
Provide technical and administrative assistance in the development of resort development fees in Busuanga, Culion and Linapacan.				
<b>Deliverable 13: Sustainable Financing Programs for EAFM Implemented in Select LGUs in the 8 MKBAs</b>				
Provide technical assistance in the development of at least 2 proposals/ concept notes on enterprise development.				
Provide technical and administrative assistance in the conduct of economic value chain studies on sea cucumber.				
Assist in identifying and hiring of research assistant for value chain study.				
Organize business planning workshop focusing on the translation of Calamianes Integrated Fisheries Management Plan (CIFMP) into business plan.				
Conduct market planning workshop.				
Provide technical and administrative support to the team conducting fiberglass boat mold making training.				
Provide technical and administrative support to the team conducting NetWorks survey.				
Provide assistance in identifying and hiring of enumerators.				

## Danajon Reef MKBA

Majority of target deliverables in Year 1 and 2 for Danajon Reef were achieved and completed. However, some of the planned activities were delayed due to the 7.2 magnitude earthquake that struck Bohol last 15 October 2013 and Typhoon Yolanda (Haiyan) on 08 November of the same year. Those engagements will be fast tracked on the 4th quarter of Year 2 and carried over to Year 3. Moreover, site interventions contributing directly to achievement of final project outcomes will be prioritized during Year 3.

<b>Danajon Reef MKBA</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Deliverable 1: Policy Studies on EAFM, MPA, and Climate Change</b>				
Facilitate the approval of the revised fishery code (Tubigon).				
<b>Deliverable 2: Toolkits, Sourcebooks, and Case Studies on EAFM, MPA, and CCA</b>				
Assist in the identification and development of proposed case study.				
<b>Deliverable 4: State of the Marine Resources Report</b>				
Participate in the drafting of SMRR.				
<b>Deliverable 5: National, Regional and Municipal EAFM Trainings Conducted</b>				
Conduct training for the Adjudication Board (Tubigon).				
Conduct training on adjudication and legislation (Bohol and Leyte).				
Conduct in house training for need assessment for regional QRT (Bohol).				
Climate change impact and vulnerability assessment training (Bohol and Leyte).				
Conduct MEAT training and validation for existing MPAs (Leyte and former FISH focal sites in Bohol).				
<b>Deliverable 6: Public-Private Partnerships Supporting ECOFISH Objectives Established</b>				
Community partnership monitoring and mentoring (Bohol).				
Conduct organizational diagnosis, strengthening and capacity-building for enterprise development (Bohol).				
Identify nominees for PPP training (Bohol).				
Link up with DSWD-SLP for community partnership (Bohol and Leyte).				
Launching of 700DALOY (Bohol) .				
Support in the conduct of consultation meeting with Provincial TWG on initial results of blue swimming crab assessment (Bohol).				
Coordinate with the enumerator team for the ongoing monitoring and assessment of blue crab (Bohol).				
Monitor performance issues and outcomes of TVWS-supported fisherfolk registration.				
<b>Deliverable 7: Bio-physical, Social and Economic Baseline Assessments of the 8 MKBAs</b>				
Coordinate hiring of enumerators; meetings with local officials, POs, and NGOs in preparation for the biophysical and socio-economic monitoring (Bohol).				
Provide administrative and technical assistance to the team in the conduct of biophysical and socio-economic monitoring (Bohol).				

Conduct benchmarking and enforcement assessment exercises (Bohol and Leyte).				
<b>Deliverable 8: Scientific Studies on Select MKBA-Specific Fish Species</b>				
Continue collection of data on SPR for the management of blue swimming crabs in Danajon Reef.				
Conduct consultation with local partners on the management measures resulting from the SPR study. Start data collection to evaluate the effect of management measures.				
Review and refine existing document (from the FISH Project) on the viability of mariculture species and mitigation measures for mariculture activities (Bohol).				
<b>Deliverable 9: MPA Network Analyses in the Eight MKBAs</b>				
Conduct orientation/consultation on the establishment of MPAs-for areas without MPAs or need strengthening of existing MPAs (Leyte and Bohol).				
Coordinate consultation with stakeholders on the selection of the MPA site (Leyte).				
Facilitate the review of MPA management plans for areas with existing MPAs (Leyte and Bohol).				
Facilitate strengthening of MPA management committees (Bohol and Leyte).				
Provide technical assistance, coaching and mentoring for the administration of MEAT (Leyte and former FISH focal sites in Bohol).				
Provide technical assistance to focal LGUs for the formulation of MPA management plans (Bohol and Leyte).				
Provide technical assistance to POs managing the MPAs/Fish Sanctuary in the implementation of their management plan (Bohol and Leyte).				
<b>Deliverable 10: Fisheries Management Plans of Select Inter-LGU Alliances in the Eight MKBAs</b>				
Inter-LGU fisheries management planning (Bohol and Leyte).				
Conduct CLE assessment workshop.				
Provide support by training, workshop, coaching/mentoring, site visit to LGUs leading to the strengthening of CLEC program (Bohol and Leyte).				
Assist in the finalization of poster development related to CLE (Bohol and Leyte).				
Facilitate training of Municipal CLE teams on basic maritime law enforcement, paralegal, MPA enforcement and other specialized and advance training (Bohol and Leyte).				
Identify service provider under SAF to provide technical and legal support to strengthen municipal law enforcement teams.				
Support and facilitate inter-LGU conference /forum/summit (Bohol).				
Provide technical assistance in the finalization and reproduction of completed CFRM plans of Leyte.				
Support BFAR in the conduct of MFARMC strengthening and planning workshop (Bohol).				
Review and redraft inter-LGU fisheries management plan.				

<b>Deliverable 11: Registry of Users of Municipal Fishing Waters Established in Select Municipal LGUs in the 8 MKBAs</b>				
Conduct inventory and review of municipal fishery ordinances, executive orders, municipal fishing vessel and gear registration, permitting and licensing system (Bohol and Leyte).				
Conduct orientation on the registration of fishing boats and licensing of fishing gears or fishing operations (Leyte and Bohol).				
Consultation with partner agencies (MARINA, PNP-MG, PNP, PCG, BFAR, PAO and LGUs) on fisherfolk, fishing boat and fishing gear registration and licensing (Bohol and Leyte).				
Provide technical assistance in the follow up of fisherfolk registration.				
Conduct assessment workshop to determine status of municipal fishing vessel and gear registration/licensing.				
Facilitate the conduct of training on EO 305 for municipal fishing vessel inspector training (Bohol).				
<b>Deliverable 12: Revenue Generation System for Fisheries Management Established and Effectively Implemented in Select LGUs</b>				
Coordinate meetings with local officials, POs, local NGOs and other stakeholders in preparation for the workshop and consultation on revenue generation system.				
Facilitate the gathering of secondary data related to revenue generation system.				
Data collection on LGU revenue and expenditure.				
<b>Deliverable 13: Sustainable Financing Programs for EAFM Implemented in Select LGUs in the 8 MKBAs</b>				
Collect data on discarded nets in Danajon Reef (Bohol and Leyte).				
Workshop on translation of IFRM plans into a business plans.				
Identification of research assistant for value chain studies.				
Assist in the conduct of value chain studies training.				
Identify NGO partner for enterprise development.				
Fish for Bohol activities.				
Ecotourism work with COMPETE.				

## Lingayen Gulf MKBA

There is a need to continuously focus on addressing the priority issues identified in Lingayen Gulf, including declining catches/profitability, diminishing sizes of fish, increasing capture of juveniles, increasing fishing effort, and increasing resource use conflicts. This can be addressed through concerted effort of the provincial and local government units in the focal and expansion areas. Learning from the previous experience of the now-defunct Lingayen Gulf Coastal Management Commission (LGCAMC), the Year 3 workplan will focus on building an inter-LGU alliance covering focal and expansion areas of the project in La Union and Pangasinan. Following an EAFM framework, the Project activities identified below will be anchored to this inter-LGU alliance.

The goal of increasing fish biomass may be done through a three-pronged approach: (1) strengthening fisheries law enforcement to deter illegal fishing practices; (2) establishing an MPA network and supporting species-specific interventions to support effective management; and (3) developing linkages with citizens groups and key government agencies (such as the Department of Education) for a sustainable IEC campaign. The goal of increasing livelihood support to reduce fishing pressure will be initially done through scoping and identifying public-private partnerships (PPPs) and social enterprise opportunities for fishing communities.

<b>Lingayen Gulf MKBA</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Deliverable 1: Policy Studies on EAFM, MPA, and Climate Change</b>				
MOU/ordinances supporting inter-LGU alliance.				
Provide data for Administrative Adjudication Orientation.				
<b>Deliverable 2: Toolkits, Sourcebooks, and Case Studies on EAFM, MPA, and CCA</b>				
Provide outline and assist in writing the case studies.				
<b>Deliverable 4: State of the Marine Resources Report</b>				
Participate in the drafting of SMRR.				
<b>Deliverable 5: National, Regional and Municipal EAFM Trainings Conducted</b>				
Fisheries law enforcement trainings for focal areas and BFAR RO1 QRT.				
Provide complementary scientific and technical support in the training series for MKBA QRT on fishery law enforcement.				
Artificial reef management training workshops for selected LGUs.				
Provide support to fish examiners training.				
Conduct site-specific IEC training and planning workshop.				
IEC materials conceptualization and training workshop with local academe.				
Conduct series of IEC discussions and intensified campaign against the use of fine mesh nets, explosives and other illegal fishing activities.				
<b>Deliverable 6: Public-Private Partnerships Supporting ECOFISH Objectives Established</b>				
Mobilize BFAR funding support for livelihood/enterprise projects in MPA/fish sanctuary communities.				
Conduct scoping (POs and enterprises) and organizational diagnosis for social enterprises.				
Launching of 700DALOY.				
<b>Deliverable 7: Bio-physical, Social and Economic Baseline Assessments of the 8 MKBAs</b>				
Coordinate hiring of enumerators; meetings with local officials, POs and NGOs in preparation for the biophysical and socio-economic monitoring.				
Provide administrative and technical assistance to the team in the conduct of biophysical and socio-economic monitoring.				
Conduct benchmarking and enforcement assessment exercises.				
<b>Deliverable 8: Scientific studies on selected MKBA-specific fish species</b>				
Feedback seagrass assessment results to concerned LGUs.				
Assist LGUs in the development of management plan for siganids in selected municipalities.				
Draft policy instrument to manage siganids.				

Facilitate the identification and development of other species-specific or gear specific management interventions in the Lingayen Gulf MKBA.				
Review documents on management/mitigation measures for mariculture activities in Lingayen Gulf.				
<b>Deliverable 9: MPA Network Analyses in the Eight MKBAs</b>				
Provide technical assistance for the strengthening of existing MPAs.				
Identification of SAF partner for the establishment of an MPA Network.				
Assist in the establishment of MPA network.				
Conduct MPA network training for BFAR staff and key LGU personnel.				
Support AMPA in focal areas through technical guidance and relevant trainings.				
Provide technical assistance in the establishment of marine reserve in seagrass areas for conservation of siganid and shellfish.				
<b>Deliverable 10: Fisheries Management Plans of Select Inter-LGU Alliances in the Eight MKBAs</b>				
Initial meeting of partners for the revival of an inter-LGU alliance to promote effective fisheries management and protection for Lingayen Gulf.				
Assist in the drafting of MOU for the inter-LGU alliance.				
Inter-LGU alliance forum to finalize management structure, tasks, funding, election of officers, secretariat (operational plan).				
Conduct consultation for inter-LGU zoning of fisheries and other uses of marine waters.				
Inter-LGU marine spatial planning (fisheries and water use planning).				
Consultation and meetings on alliance-building and support and linkage to other ECOFISH activities (EAFM planning, MPA network, law enforcement, etc.).				
<b>Deliverable 11: Registry of Users of Municipal Fishing Waters Established in Select Municipal LGUs in the 8 MKBAs</b>				
Monitor and provide technical assistance in the implementation of FishR activities.				
Facilitate the conduct of training on EO 305 for municipal fishing vessel inspector training.				
Provide assistance in the development of policy to support registration and licensing of municipal fishing boats and gears.				
<b>Deliverable 12: Revenue Generation System for Fisheries Management Established and Effectively Implemented in Select LGUs</b>				
Explore revenue generation systems or user fee schemes with partner LGUs.				
<b>Deliverable 13: Sustainable Financing Programs for EAFM Implemented in Select LGUs in the MKBA</b>				
Identify target species for value chain study.				
Support conduct of value chain study.				
IFRM planning to business planning.				
Linkage with CSR programs of companies along Lingayen Gulf.				
Leverage with existing projects and programs on livelihood and tourism.				

## San Bernardino - Ticao Pass – Lagonoy Gulf MKBA

With the confidence and trust gained from the orientations, consultations, trainings, and information gathering and sharing during the last two years, the LGUs and fishing communities of Biri, Bulan, Capul, Matnog, Santa Magdalena, and San Vicente now want to take on more active measures to manage their resources. The site team, along with BFAR 5 and 8, shall, with guidance from thematic leads, provide support and assistance in the following: venues for the conclusion of municipal water delineation, trainings to improve enforcement capability, encouragement of greater civilian-police coordination, increased LGU investment in fisheries management, establishment of six (6) MPAs based on connectivity and acceptability, strengthening fisher organizations' project implementation capacity and the sourcing of counterpart financing.

But more than these, ECOFISH will introduce registration and licensing systems to individual LGUs, promote inter-LGU collaboration through ecosystem-based management planning, recommend concerted measures for the conservation of the important sardine fishery, find ways for fishers to increase the value share of their current products, and explore employment opportunities in the growing mariculture and marine ecotourism sectors. All these efforts taken together should raise their EAFM benchmarks. Their experiences will be documented in case studies.

San Bernardino - Ticao Pass – Lagonoy Gulf MKBA				
Project Intervention/Activity	2015			
	Q1	Q2	Q3	Q4
<b>Deliverable 1: Policy Studies on EAFM, MPA, and Climate Change</b>				
Provide technical support for delineation of municipal waters.				
<b>Deliverable 2: Toolkits, Sourcebooks, and Case Studies on EAFM, MPA, and CCA</b>				
Provide outline and assist in writing the case studies.				
<b>Deliverable 4: State of the Marine Resources Report</b>				
Participate in the drafting of SMRR.				
<b>Deliverable 5: National, Regional and Municipal EAFM Trainings Conducted</b>				
Inter-LGU basic compliance promotion and enforcement training.				
Training on Operations Planning of inter-LGU enforcement teams.				
Inter-LGU training on marine spatial zoning.				
Registration and licensing training and drafting of ordinance.				
PCRA training in the focal area municipalities.				
<b>Deliverable 6: Public-Private Partnerships Supporting ECOFISH Objectives Established</b>				
Scoping and organizational diagnosis.				
Organizational strengthening.				
<b>Deliverable 7: Bio-physical, Social and Economic Baseline Assessments of the 8 MKBAs</b>				
Coordinate hiring of enumerators; meetings with local officials, POs, and NGOs in preparation for the biophysical and socio-economic monitoring.				
Provide administrative and technical assistance to the team in the conduct of biophysical and socio-economic monitoring.				
Conduct benchmarking and enforcement assessment exercises.				

<b>Deliverable 8: Scientific Studies on Select MKBA-Specific Fish Species</b>				
Species-specific management study on sardines ( <i>lawlaw/alubaybay</i> ) in San Bernardino Strait.				
Assess and evaluate the viability of mariculture species in San Bernardino Strait.				
Establish management/mitigation measures for mariculture activities in San Bernardino Strait.				
Establishment of appropriate fishing effort configuration.				
Facilitate the identification and development of other species-specific or gear specific management interventions, as needed.				
<b>Deliverable 9: MPA Network Analyses in the Eight MKBAs</b>				
Consultation with partners on the hydrodynamic study and dispersal modeling and proposed MPA network design.				
Assist in the establishment of individual MPAs.				
Assist in the establishment of the MPA network.				
Facilitate various meetings with MPA management bodies/councils.				
Assist in the drafting or updating of MPA management plans.				
<b>Deliverable 10: Fisheries Management Plans of Select Inter-LGU Alliances in the Eight MKBAs</b>				
Establishment and strengthening of fisheries law enforcement teams.				
Establishment of inter-LGU fisheries law enforcement teams.				
Inter-LGU fisheries management planning.				
Inter-LGU marine spatial planning (fisheries and water use planning).				
Registration and licensing information in managing fishing effort utilized and integrated into the management plan.				
<b>Deliverable 11: Registry of Users of Municipal Fishing Waters Established in Select Municipal LGUs in the 8 MKBAs</b>				
Monitor and provide technical assistance on the implementation of FishR activities.				
Facilitate in the conduct of training on EO 305 for municipal fishing vessel inspector training.				
Provide assistance on the development of policy to support registration and licensing of municipal fishing boat and gears.				
<b>Deliverable 12: Revenue Generation System for Fisheries Management Established and Effectively Implemented in Select LGUs</b>				
Cost-benefit analysis of LGU operations in fisheries management.				
Gather secondary data (annual CRM revenues and costs over the last 7 years).				
Identify potential user fees, fines and other market-based instruments for coastal resource use established.				
Assist in drafting and review of BUB/GPB proposals and other sources				
<b>Deliverable 13: Sustainable Financing Programs for EAFM Implemented in Select LGUs in the MKBA</b>				
Identify enterprises and NGO partners for				
Seaweed Production (Northern Samar).				



Ecotourism (Sorsogon).				
IFRM plan translated into business plan.				
Value chain analysis: sardines (“lawlaw”/”alubaybay”) (clupeidae).				
Conduct of survey.				
Writeshop.				
Identify fish landing sites (for NAPC program).				

## Southern Negros MKBA

For Year 1, several site level activities in the Southern Negros MKBA were facilitated to include start-up and “hand shake” activities with key personnel from the Regional and Provincial BFAR Offices, local government chief executives and their key personnel performing coastal and fisheries resource management functions. Major accomplishments include the benchmarking of LGUs to implement EAFM, coastal law enforcement capacity assessment, underwater assessments of MPAs, and fisheries and socio-economic baseline assessments.

Year 2 interventions on the other hand focused on governance support to existing Marine Protected Areas (MPAs) through Management Planning and training for MPA Management Boards, strengthening of local coastal and fishery law enforcement teams and coastal fisheries resource management planning at the municipal and MKBA levels.

Activities for Year 3 will focus on the establishment of new MPAs and network of MPAs, promotion of gear and vessel registration and licensing (and its use in right sizing of fishing effort) and support to environment-friendly enterprises and revenue generation mechanisms (to have more direct contribution towards increase in fish biomass and increase in people gaining employment or better employment).

Sustaining mechanisms include capacitation of people’s organizations and permanent LGU employees at the municipal level and active involvement of BFAR and Provincial Governments (as they will play a great role in providing technical assistance in continuing the EAFM program in the focal areas and facilitating its replication in other LGUs at the provincial and regional scales).

Southern Negros MKBA				
Project Intervention/Activity	2015			
	Q1	Q2	Q3	Q4
<b>Deliverable 1: Policy Studies on EAFM, MPA, and Climate Change</b>				
Facilitate workshop on the review of municipal fishery ordinances for Negros Oriental and Negros Occidental.				
<b>Deliverable 2: Toolkits, Sourcebooks, and Case Studies on EAFM, MPA, and CCA</b>				
Draft outline of two case studies and assist in the writing of the case studies.				
<b>Deliverable 4: State of the Marine Resources Report</b>				
Participate in the drafting of SMRR.				
<b>Deliverable 5: National, Regional and Municipal EAFM Trainings Conducted</b>				

Training for Police Environment Desk Officers in Negros Oriental, judges and prosecutors.				
Training on local legislation and administrative adjudication.				
QRT Operations Planning for QRT 6 and 7.				
Training on the establishment of Network of MPAs.				
Training on inter-LGU zoning and marine spatial planning.				
Training on the establishment of registration and licensing system.				
<b>Deliverable 6: Public-Private Partnerships Supporting ECOFISH Objectives Established</b>				
Facilitate 700DALOY launching in Dumaguete City.				
Facilitate collection of documentary evidence/ evidence of community beneficiaries.				
Facilitate meetings with URC/Antulang Resort/Ceres (leverage support for enforcement assets).				
Facilitate meeting with LGU to present Organizational Diagnosis report.				
<b>Deliverable 7: Bio-physical, Social and Economic Baseline Assessments of the 8 MKBAs</b>				
Coordinate hiring of enumerators; meetings with local officials, POs, and NGOs in preparation for the biophysical and socio-economic monitoring.				
Provide administrative and technical assistance to the team in the conduct of biophysical and socio-economic monitoring.				
Conduct benchmarking and enforcement assessment exercises.				
<b>Deliverable 8: Scientific Studies on Select MKBA-Specific Fish Species</b>				
Consultations/workshops on drafting the ordinance on species/ gear specific regulation(s).				
<b>Deliverable 9: MPA Network Analyses in the Eight MKBAs</b>				
Presentation of MPA network design/ MPA network training-workshop.				
Finalize MPA Management Plans of Sipalay.				
Finalize MPA Management Plans of Hinobaan.				
Facilitate adoption of MPA management Plans of Sipalay City.				
Facilitate adoption of MPA management Plans of Hinobaan.				
MEAT assessment in all MPAs.				
<b>Deliverable 10: Fisheries Management Plans of Select Inter-LGU Alliances in the Eight MKBAs</b>				
Facilitate discussions and writeshops on the finalization of individual CFRM Plans of focal sites - Siaton, Sta. Catalina and Basay.				
Facilitate discussions and writeshops on the finalization of the South Negros EAFM Framework Plan.				
Development of inter-LGU marine spatial plan (fisheries and water use plan).				
Establish appropriate fishing effort configuration.				
<b>Deliverable 11: Registry of Users of Municipal Fishing Waters Established in Select Municipal LGUs in the 8 MKBAs</b>				
Continue monitoring and support to FishR.				
Facilitate training for municipal fishing vessel inspectors.				
<b>Deliverable 12: Revenue Generation System for Fisheries Management Established and Effectively Implemented in Select LGUs</b>				

Facilitate dialogues for Sipalay MPA user fee scheme.				
Benefit Cost studies: gather income statements of LGUs for the past 7 years (CRM revenues).				
<b>Deliverable 13: Sustainable Financing Programs for EAFM Implemented in Select LGUs in the 8 MKBAs</b>				
SAF on Sustainable Enterprises for Municipal Fishing Communities of South Negros (SEMFISH).				
Regular coordination/ meeting with partner NGO on SEMFISH.				
Serve as resource person in trainings/workshops in support to SEMFISH.				
Value Chain studies				
Training for research assistants/PCV.				
Actual survey.				
Participate in writeshop.				

## Surigao del Norte – Surigao del Sur MKBA

In Year 3, ECOFISH will deepen focus on activities that will mainly contribute to the 10% increase in fish biomass and to the 10% increase in number of fisherfolk that benefit from livelihood and enterprise development. These activities include follow through interventions from the previous years, like the validation of MEAT outputs from the marine sanctuary forum, inter-agency consultation on law enforcement, and updating and finalization of the draft provincial CRM framework plan. Another intervention in Year 3 that will greatly help partner LGUs in enforcement of fishery laws is the assistance to resolve municipal water boundary conflicts between Surigao City and Tagana-an, Tagana-an and Placer, Placer and Bacuag, and Claver and Carrascal. Resolving these boundary issues will completely accomplish the delineation of municipal waters in the MKBA that the FISH Project has previously initiated.

Year 3 will also include repeat activities such as the assessment and monitoring of the socio-economic condition of fisherfolk communities in focal LGUs, fish catch monitoring, marine sanctuary monitoring, and EAFM/CRM/governance benchmarking. ECOFISH in Surigao del Norte will likewise assist and contribute to activities of nationwide coverage, such as the drafting of the State of the Marine Resources Report, and the preparation of case studies on EAFM, MPA and climate change. It will also focus on the steps towards enterprise development in key LGUs, that will include identification of partner POs and NGOs and the conduct of value chain study for selected species in the MKBA.

To accomplish all of these interventions in Year 3, ECOFISH will continue collaborating and strengthening cooperation with BFAR Caraga through the Fisheries Resource Management Division, Quick Response Team and the Provincial Fishery Office. ECOFISH will also maintain coordination with the focal/key LGUs in the MKBA and the Provincial Government of Surigao del Norte through the Provincial Agriculture Office, Provincial Environment and Management Office, Provincial Tourism Office and the Provincial Planning and Development Office; and with local partners such as the DENR (PhilCCAP, SCREMP, CMMD), DILG, PNP/PNP-MG, and the HIPADA-TAG.

Surigao del Norte – Surigao del Sur MKBA				
Project Intervention/Activity	2015			
	Q1	Q2	Q3	Q4
<b>Deliverable 1: Policy Studies on EAFM, MPA, and Climate Change</b>				
Presentation of draft ordinance to the FARMCs.				
Presentation of draft ordinance to the Sangguniang Bayan/Panglungsod.				
Conduct bilateral meetings re: municipal water boundary conflict resolution concerning municipalities.				
<b>Deliverable 2: Toolkits, Sourcebooks, and Case Studies on EAFM, MPA, and CCA</b>				
Draft outline and assist in the writing of two case studies.				
<b>Deliverable 4: State of the Marine Resources Report</b>				
Participate in the drafting of SMRR.				
<b>Deliverable 5: National, Regional and Municipal EAFM Trainings Conducted</b>				
Training on the establishment of MPA network.				
Conduct one-day in-house training needs assessment for BFAR Caraga QRT.				
Orientation on inter-LGU zoning of fisheries and other uses of marine waters.				
Orientation on right sizing of fishing effort in focal areas.				
Training on the establishment of registration and licensing system (boats and gears).				
Training on climate change impact and vulnerability assessment (conduct climate vulnerability assessment).				
Conduct IEC and conflict management training.				
Conduct fish examiner training.				
Conduct orientation/training on EO 305.				
<b>Deliverable 6: Public-Private Partnerships Supporting ECOFISH Objectives Established</b>				
Launching of 700DALOY.				
Identify potential PO partners.				
Identify potential NGO partners.				
Conduct scoping and organizational diagnosis (potential PO partners).				
Conduct organizational strengthening/development (potential PO partners).				
<b>Deliverable 7: Bio-physical, Social and Economic Baseline Assessments of the 8 MKBAs</b>				
Coordinate hiring of enumerators; meetings with local officials, POs, and NGOs in preparation for the biophysical and socio-economic monitoring.				
Provide administrative and technical assistance to the team in the conduct of biophysical and socio-economic monitoring.				
Conduct benchmarking and enforcement assessment exercises.				
<b>Deliverable 8: Scientific Studies on Select MKBA-Specific Fish Species</b>				
Assessment and evaluation of viability of mariculture species.				
Mitigation measures for mariculture activities.				
Determination and presentation of appropriate species-specific management strategies to concerned LGUs.				

Drafting of policy instruments on species-specific management strategies.				
Establishment of appropriate fishing effort configuration.				
<b>Deliverable 9: MPA Network Analyses in the Eight MKBAs</b>				
Provide technical assistance, coaching and mentoring for the validation of MEAT self-assessment outputs.				
Conduct orientation and consultation on the establishment of MPAs - for areas without MPAs or need strengthening of existing MPAs.				
Facilitate identification of potential sites for the establishment of additional MPAs.				
Coordinate consultation with stakeholders on the selection of MPA sites.				
Facilitate strengthening of MPA management committees.				
Facilitate review of MPA management plans - for areas with existing MPAs or network of MPAs.				
Conduct Inter-LGU MPA management planning workshop.				
Provide technical assistance to POs in the implementation of MPA or fish sanctuary management plans.				
Collaborate with BFAR, PNP-MG, PFO, PAO and PEMO in the deputization of PO members as fish wardens in managing MPAs or fish sanctuaries.				
Develop MPA network design.				
Establish MPA network.				
<b>Deliverable 10: Fisheries Management Plans of Select Inter-LGU Alliances in the Eight MKBAs</b>				
Finalization of draft provincial CRM Framework Plan.				
Facilitate issuance of executive orders on the creation of municipal coastal law enforcement teams.				
Conduct inter-agency consultation on mandates, protocols and procedures for law enforcement partners.				
Conduct follow-up trainings on para-legal and fish/gear identification.				
Facilitate issuance of executive orders on the creation of municipal CFRM technical working groups.				
Conduct consultations with HIPADA-LGUs on the drafting and formulation of coastal and fisheries resources management plans.				
Provide technical assistance in the presentation of CFRM plans to municipal development councils for adoption and integration into their annual development and investment plans.				
Conduct consultation and review of existing municipal zoning plans of HIPADA-LGUs.				
Develop inter-LGU marine spatial zoning plan (fisheries and water use plan).				
Presentation of proposed appropriate fishing effort configuration based on results of assessment.				
Establish appropriate fishing effort configuration.				
<b>Deliverable 11: Registry of Users of Municipal Fishing Waters Established in Select Municipal LGUs in the 8 MKBAs</b>				

Provide assistance to BFAR-CARAGA in the conduct of FishR.				
Inter-agency consultation with partner agencies (MARINA, PNP-MG, PNP, PCG, BFAR, PAO and LGUs) on municipal fishing vessel registration.				
Facilitate the conduct of training on EO 305 for municipal fishing vessel inspector training.				
Preparation/presentation of draft ordinance on municipal fishing vessel registration to FARMCs/SBs.				
<b>Deliverable 12: Revenue Generation System for Fisheries Management Established and Effectively Implemented in Select LGUs</b>				
Provide technical assistance to identified PO partners in the preparation of project proposals for 2016 GPB funding.				
Collection of financial data for the cost benefit studies.				
Bravo Awards for Best MPA in Surigao del Norte.				
<b>Deliverable 13: Sustainable Financing Programs for EAFM Implemented in Select LGUs in the 8 MKBAs</b>				
Conduct business planning.				
Conduct market planning.				
Conduct networks survey in coastal barangays in all focal LGUs.				
Recruitment and training of research assistant for value chain studies.				
Conduct surveys for value chain studies ( <i>danggit</i> /rabbitfish).				
Writeshop on value chain studies.				

## Tawi-Tawi MKBA

In Years 1 and 2 the Tawi-Tawi project team conducted an evaluation of the existing MPA network established during the FISH Project using MPA Management Evaluation and Assessment Tool (MEAT) to identify activities to strengthen the network. The team also conducted the identification and establishment of additional MPAs, particularly in the municipalities of Tandubas, Sapa-Sapa, and South Ubian. The project prioritized activities like the establishment of marine protected areas, establishment of Public-Private Partnerships supporting ECOFISH objectives, and capacity building on policy and governance, and especially the strengthening of coastal law enforcement teams.

In Year 3, the Tawi-Tawi team will still put upfront activities that will contribute to the final project outcome, namely: those that will lead to increase in fisheries biomass and increase in the number of people gaining employment or better employment from sustainable fisheries management. MPA establishment and activities that will enhance fishery law enforcement efforts will still be on top of the agenda. In addition, the team will focus on capacity building of partners and movers for fisheries management. ECOFISH will support the cross visit of key provincial and municipal government officials and people's organizations to selected sites in the country that have successful fisheries and coastal resource management programs.

Tawi-Tawi MKBA				
Project Intervention/Activity	2015			
	Q1	Q2	Q3	Q4
<b>Deliverable 1: Policy Studies on EAFM, MPA, and Climate Change</b>				
Review and refinement of existing ordinances on fisheries resource management.				
Assessment of the need for training on crafting of ordinances.				
Training on the drafting of fisheries ordinances and other basic local legislations.				
<b>Deliverable 2: Toolkits, Sourcebooks, and Case Studies on EAFM, MPA, and CCA</b>				
Provide outline and assist in writing the case studies.				
<b>Deliverable 4: State of the Marine Resources Report</b>				
Participate in the drafting of SMRR.				
<b>Deliverable 5: National, Regional and Municipal EAFM Trainings Conducted</b>				
Inter-LGU basic compliance promotion and enforcement training.				
Training on Operations Planning of inter-LGU enforcement teams.				
Inter-LGU training on marine spatial zoning.				
Training on the establishment of registration and licensing system (boats and gears).				
PCRA training for selected municipalities in the focal area.				
Development and reproduction of Fatwa IEC materials.				
EAFM orientation for BFAR-ARMM regional team.				
Provide assistance in sending of participant/s to the Fish Examiners' Training for selected partners.				
<b>Deliverable 6: Public-Private Partnerships Supporting ECOFISH Objectives Established</b>				
Road show of 700DALOY to the different stakeholders/partners (DepEd, religious leaders, provincial government).				
Identify candidate for specialty products or commodities for possible enterprise development in Tawi-Tawi.				
<b>Deliverable 7: Bio-physical, Social and Economic Baseline Assessments of the 8 MKBAs</b>				
Coordinate hiring of enumerator; meetings with local officials, POs, and NGOs in preparation for the biophysical and socio-economic monitoring.				
Provide administrative and technical assistance to the team in the conduct of biophysical and socio-economic monitoring.				
Conduct benchmarking and enforcement assessment exercises.				
<b>Deliverable 8: Scientific Studies on Select MKBA-Specific Fish Species</b>				
Consultation meeting with stakeholders on species-specific or gear-specific scientific studies (identification of species-specific or fishing gear studies based on results of baseline assessment).				
Collection of primary data of identified species-specific studies and secondary information for the species-specific or gear-specific studies.				
Consultation-meeting with BFAR, LGU and stakeholders on species-specific and fishing gear management.				
<b>Deliverable 9: MPA Network Analyses in the Eight MKBAs</b>				

Provide assistance in re-organizing and strengthening of MPA management bodies of existing MPAs.				
Provide assistance in strengthening the Tawi-Tawi Fish Bay Sanctuary Alliance (TTFBSA).				
Provide assistance in the coordination and mobilization of participants in the conduct of enforcement training for MPA enforcement to coincide with the basic Fishery Law Enforcement training.				
Provide assistance during coordination and mobilization of participants for the enforcement training of MPA enforcement team to coincide with the basic Fishery Law Enforcement (MPA training for AMPA sites).				
Intensify IEC campaign (explore different possibilities - religious intervention, radio station, ILTO mobilization, Smart).				
<b>Deliverable 10: Fisheries Management Plans of Select Inter-LGU Alliances in the Eight MKBAs</b>				
Establishment and strengthening of fisheries law enforcement teams.				
Establishment of inter-LGU fisheries law enforcement teams.				
Cross site visit ( <i>Lakbay-aral</i> ) to successful CRM sites.				
Inter-LGU fisheries management planning.				
Inter-LGU marine spatial planning (fisheries and water use planning).				
Support in the formation/organization of Municipal Coastal Law Enforcement Teams for new sites and issuance of authorization including facilitation of 1-day regular meeting – Tawi-Tawi SBU.				
<b>Deliverable 11: Registry of Users of Municipal Fishing Waters Established in Select Municipal LGUs in the 8 MKBAs</b>				
Monitor and provide technical assistance in the implementation of FishR activities.				
Facilitate in the conduct of training on EO 305 for municipal fishing vessel inspector training.				
Provide assistance on the development of policy to support registration and licensing of municipal fishing boat and gears.				
<b>Deliverable 12: Revenue Generation System for Fisheries Management Established and Effectively Implemented in Select LGUs</b>				
Inventory of annual CRM revenues/costs from LGUs.				
Generate data in support for user's fee scheme.				
<b>Deliverable 13: Sustainable Financing Programs for EAFM Implemented in Select LGUs in the 8 MKBAs</b>				
FGD with LGUs and key partners for the identification of possible sustainable financing program.				
Identification of sustainable financing program.				

## Verde Island Passage MKBA

In Years 1 and 2 ECOFISH conducted a series of activities with partners to identify the appropriate courses of action to effectively implement EAFM. A particular intervention identified is a proposed closed season for small pelagics that include the participation of



commercial fishers and fishing operators, municipal fisherfolks, LGU officials, NGOs, POs, and other stakeholders. The series of consultations was a collaboration between ECOFISH, the PGENRO and Conservation International. Likewise, the team made use of the results of the CLE and EAFM benchmarking to guide the other early management interventions and capacity building.

In Year 3, most project activities will be in support of inter-LGU interventions such as marine spatial planning, municipal fishing boats and gear registration and licensing, inter-LGU fisheries management planning, and strengthening of MPA and enforcement networks.

<b>Verde Island Passage MKBA</b>				
<b>Project Intervention/Activity</b>	<b>2015</b>			
	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
<b>Deliverable 1: Policy Studies on EAFM, MPA, and Climate Change</b>				
Support in the formulation and approval of local ordinance for the seasonal closure of small pelagics in Balayan Bay.				
Collect and consolidate secondary data on Administrative Adjudication and related materials.				
<b>Deliverable 2: Toolkits, Sourcebooks, and Case Studies on EAFM, MPA, and CCA</b>				
Provide outline and assist in the writing the case studies.				
<b>Deliverable 4: State of the Marine Resources Report</b>				
Participate in the drafting of SMRR.				
<b>Deliverable 5: National, Regional and Municipal EAFM Trainings Conducted</b>				
Coordinate with partners the conduct of Fish Examiners' Training for municipalities in the focal area.				
Facilitate Basic CLE Training for PNP.				
Facilitate training of the BERT/PNP on plotting and use of GPS leading to certification by NAMRIA.				
Provide technical assistance to PNP Maritime Group to support the Adopt an MPA Program of the PNP-MG.				
Assist BFAR and OPA in the training and reactivation of FARMCs.				
<b>Deliverable 6: Public-Private Partnerships Supporting ECOFISH Objectives Established</b>				
Provide support for the formalization of a strategic partnership.				
Facilitate the Launching of 700DALOY.				
Facilitate the presentation of OD results to partner LGUs.				
Provide technical and administrative assistance during the Business Planning and Partnership Training Workshops.				
Assist in the mobilization and conduct of business planning workshops.				
<b>Deliverable 7: Bio-physical, Social and Economic Baseline Assessments of the 8 MKBAs</b>				
Coordinate hiring of enumerators; meetings with local officials, POs, and NGOs in preparation for the biophysical and socio-economic monitoring.				
Provide administrative and technical assistance in the conduct of biophysical and socio-economic monitoring.				
Conduct benchmarking and enforcement assessment exercises.				
<b>Deliverable 8: Scientific Studies on Select MKBA-Specific Fish Species</b>				

IEC development workshop in support for the seasonal closure in Balayan Bay.				
Provide technical support in training of partners to monitor the effects of seasonal closure for small pelagics.				
Assess and evaluate the viability of mariculture species in Verde Island Passage.				
Establish mitigation measure for mariculture activities in Verde Island Passage.				
Establishment of appropriate fishing effort configuration.				
<b>Deliverable 9: MPA Network Analyses in the Eight MKBAs</b>				
Conduct orientation and consultation on the establishment of MPAs - for areas without MPAs or need strengthening of existing MPAs.				
Facilitate identification of potential sites for the establishment MPAs.				
Coordinate consultation with stakeholders on the selection of MPA sites.				
Facilitate strengthening of MPA management committees.				
Facilitate Wildlife Enforcement Training for MPA rangers.				
Provide assistance in the conduct of MPA evaluation and assessment – for areas with existing MPAs or network of MPAs.				
Assist in the establishment of new MPAs/fish sanctuaries as well as drafting of ordinances.				
<b>Deliverable 10: Fisheries Management Plans of Select Inter-LGU Alliances in the Eight MKBAs</b>				
Facilitate the review of inter-LGU fisheries management plan (for those MKBAs with existing inter-LGU fisheries management plan).				
Conduct CLE assessment workshop.				
Identify a service provider under SAF to provide technical and/or legal support to strengthen the municipal enforcement team/s.				
Seminar for local judges/prosecutors on fishery law enforcement and environmental cases procedures.				
Provide technical assistance and coordination in the formulation of Integrated CFRMP (consultations, orientations and planning).				
Coordinate and conduct consultative meeting and planning workshop for the formulation of Integrated CFRM Plan.				
Assist LGUs in the zoning and spatial planning of zones for economic uses and reduce use conflicts.				
<b>Deliverable 11: Registry of Users of Municipal Fishing Waters Established in Select Municipal LGUs in the 8 MKBAs</b>				
Conduct orientation on the registration of fishing boats and licensing of fishing gears or fishing operation.				
Facilitate training of municipal fishing boat registration leading to certification/accreditation as municipal vessel inspectors (MVI) in collaboration with MARINA, PCG and BFAR.				
Conduct of inter-agency and/or inter-LGU meetings related to municipal vessel registration.				

<b>Deliverable 12: Revenue Generation System for Fisheries Management Established and Effectively Implemented in Select LGUs</b>				
Assist in the development of sustainable financing schemes with partner LGUs (particularly on user's fees, resource rents for mangroves and beaches, environmental fees, aquaculture and mariculture projects and other related projects).				
Data gathering on existing local legislations, licensing system and economic use zones.				
Facilitate the conduct of public consultations for users' fee.				
Assist in identification for replication of other users' fee schemes.				
<b>Deliverable 13: Sustainable Financing Programs for EAFM Implemented in Select LGUs in the 8 MKBAs</b>				
Conduct collection of annual CRM revenues and cost/income statements for all the LGUs (in support to cost-benefit analysis of Fisheries Management).				
Provide technical and administrative assistance in the conduct of economic value chain studies of important species.				
Identify and hire Research Assistants for the Value Chain Studies.				
Provide assistance in preparations for the Training for Value Chain Studies.				
Provide assistance in preparations for the Writeshop for Value Chain Studies.				
Coordinate and organize business planning workshop focusing on the translation of Fisheries Management Plan into business plan.				
Assist in business planning workshop and documentation of enterprises developed.				
Assist in documentation of pilot testing of enterprises developed.				
Assist in conduct of Net-Works Surveys for the coastal barangays.				